

1 - VOLUME B -
2
3 IN THE UNITED STATES DISTRICT COURT
4
5 IN AND FOR THE DISTRICT OF DELAWARE
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9 INTELLECTUAL VENTURES I LLC : CIVIL ACTION
10 and INTELLECTUAL VENTURES :
11 II LLC, :
12 :
13 Plaintiffs, :
14 :
15 vs. :
16 :
17 MOTOROLA MOBILITY LLC, :
18 :
19 Defendant. : NO. 11-908-SLR-MPT
20
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22
23 BEFORE: HONORABLE SUE L. ROBINSON, U.S.D.C.J., and a jury
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26
27 APPEARANCES:
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P R O C E E D I N G S

6 THE COURT: We are still missing one juror. The
7 question is how much longer we want to wait for that one
8 juror. I mean, we don't have a whole lot of flex time in
9 our schedule at this point. So I mean I would think by 9:15
10 if she's not here, we might consider going forward, or if
11 you just want to go forward now, it's up to you. But I can
12 give you a few minutes to discuss it among yourselves. I
13 will just step out in the hall and you let me know. All
14 right?

15 We've tried to reach her on her cellphone and it
16 has just gone to voicemail, so we've done our best to reach
17 out to her and we have not communicated with her. All
18 right. So I will step out. You let me know.

19 (Short recess taken.)

²¹ See, e.g., *U.S. v. Babbitt*, 100 F.3d 1322, 1327 (10th Cir. 1996) (“[T]he [FWS] has authority to regulate the importation of species that are not listed under the Convention.”); *U.S. v. Ladd*, 100 F.3d 1322, 1327 (10th Cir. 1996) (“[T]he [FWS] has authority to regulate the importation of species that are not listed under the Convention.”).

22 THE COURT: All right. We'll bring in our jury.
23 (The jury entered the courtroom and took their
24 seats in the box.)

25 THE COURT: Everyone may be seated. Thank you.

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1 And do we have a witness?

2 MR. BELLOLI: We have a quick stipulation to
3 read for the jury, a factual stipulation, then we'll call
4 the next witness, which is appearing by video.

5 THE COURT: Thank you.

6 MR. BELLOLI: Intellectual Ventures and Motorola
7 hereby stipulate that Motorola has sold the following
8 products in the United States:

9 The Atrix 4G, the Atrix 2, the Atrix HD, the
10 Lapdock for Atrix 4G, Lapdock 100, Lapdock 500, Admiral,
11 Photon 4G, Photon Q 4G LTE, the XPRT, the Titanium, the
12 Electrified, the Electrified 2, the Electrified M, the
13 Defy XT, the Milestone X, the Triumph, the I867 and the
14 XT886.

15 As its next witness, Intellectual Ventures calls
16 James Barber by videotaped deposition. He's an engineering
17 director for Motorola. He had his deposition taken in
18 February of last year and he's going to testify about the
19 Motorola Lapdock product.

20 PLAINTIFFS' TESTIMONY, Continued.

21 (Videotaped deposition played as follows.)

22 "Question: Can you please state your names for
23 the record.

24 "Answer: My name is James Barber.

25 "Question: How long have you been with

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1 Motorola?

2 "Answer: I've been with Motorola for 29 years.

3 "Question: And what are your current

4 responsibilities at Motorola?

5 "Answer: I am an engineering director and I
6 lead a team of engineers that work on product development.

7 "Question: How many engineers do you lead?

8 "Answer: Currently there are ten engineers that
9 are underneath me.

10 "Question: Have you used a Lapdock?

11 "Answer: I have used a Lapdock.

12 "Question: And what was part of your work for
13 Motorola when you were using that Lapdock?

14 "Answer: Yes, it was.

15 "Question: Which model of Lapdock have you
16 used?

17 "Answer: I've used the Lapdock 1, the original
18 Lapdock for Atrix 4G. I've used a Lapdock 1.5, which was a
19 version developed for Droid Bionic, and then I used Lapdock
20 100 and 500.

21 "Question: Are those all of the Lapdock models?

22 "Answer: Those are all the Lapdock models that
23 we've developed and sold.

24 "Question: Thank you. Did you use those at
25 Motorola's facilities here in Illinois?

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1 "Answer: Yes.

2 "Question: Approximately how long have you been
3 using those, let's say from the first one until you stopped
4 using any of those Lapdocks?

5 "Answer: I was the technical lead for Lapdock
6 for Atrix 4G. So I used it from the very first prototypes
7 that we received up until I'd say several months after we
8 started shipping it.

9 "Question: When did you first start developing
10 that first one and start using it?

11 "Answer: I had discussions on the first Lapdock
12 in about February of 2010, but engineering work on it didn't
13 really start until about May of 2010.

14 "Question: Generally, what would you describe
15 as the key selling points of the Lapdock product?

16 "Answer: I think its key selling point is that
17 it provided a desktop browser experience using a handset and
18 a Lapdock peripheral.

19 "Question: You said it was using -- using a
20 phone and a peripheral; is that correct?

21 "So does the phone attach to a Lapdock?

22 "Answer: Yes.

23 "Question: Okay. And just in general for our
24 purposes, when I say Lapdock, I'll mean it to include all of
25 the Lapdock models that you mentioned that were produced.

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1 If I refer to a specific model, then I'll be referring only
2 to that.

3 "Answer: I understand.

4 "Question: In your opinion, are both a phone
5 and a Lapdock portable?

6 "Answer: Yes.

7 "Question: Does the Lapdock work only with
8 Motorola phones or could you hook up another company's
9 phone?

10 "Answer: It's intended only to be used with
11 Motorola phones.

12 "Question: What's generally the purpose of a
13 Lapdock?

14 "Answer: To provide a desktop web browsing
15 experience.

16 "Question: What phones are compatible with the
17 Lapdock 100?

18 "Answer: There's a series of phones that are
19 compatible.

20 "Question: Okay. If a U.S. consumer has a
21 problem with a Lapdock 100, can he send it in for service?

22 "Answer: Yes.

23 "Question: Where would it be serviced?

24 "Answer: It would be serviced typically at the
25 distribution center in Texas. They would do an initial

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1 triage on the Lapdock.

2 "Question: Okay. And before they send it back
3 to the consumer, they would test to see that that Lapdock is
4 properly functioning; is that correct?

5 "Answer: Yes.

6 "Question: And did you attach the Atrix 4G
7 phone to this Lapdock in the course of your work?

8 "Answer: Yes.

9 "Question: And where did you do that?

10 "Answer: Typically, it was at work in
11 Libertyville, Illinois.

12 "Question: And did you use the two products,
13 the phone and the Lapdock when they were attached together?

14 "Answer: Yes.

15 "Mr. Mikhail:

16 "Question: Earlier we talked about the
17 functionality of the Lapdock when the phone is not
18 attached. You said that it limited functionality; is
19 that correct?

20 "Answer: Yes.

21 "Question: Could you describe what that limited
22 functionality is without the phone attached?

23 "Answer: The Lapdock has a battery in it, and
24 you can check the state of charge of the battery. So
25 there's a button on it that you press, and you'll get visual

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1 feedback in terms of state of charge of the battery.

2 "Question: Anything else it can do without the
3 phone attached?

4 "Answer: No. You can plug it in and charge the
5 battery in it.

6 "Question: Is there a processor in the Lapdock
7 that runs an operating system?

8 "The Witness: There are several processors in
9 the Lapdock. You know, we have talked about the scaler
10 already. That's one example of a processor.

11 "Mr. Mikhail: I'm sorry. You said the phone
12 was not attached. If the phone is not attached, the Lapdock
13 is limited to charging or indicating what level of charge it
14 has; is that correct?

15 "Answer: Yes, that's correct.

16 "Mr. Mikhail:

17 "Question: If the lid -- if the lid on the
18 Lapdock is open and the phone is not connected, is there
19 anything displayed on the screen of the Lapdock?

20 "The Witness: The screen would be dark.

21 "Question: And without the handset, there is no
22 display on the screen of the Lapdock; is that correct?

23 "The Witness: If the handset is not plugged
24 into the Lapdock, the screen will be dark on the laptop.

25 "By Mr. Mikhail:

1 "Question: So referring again to Lapdocks in
2 general, not any specific model, what's the advantage of
3 using a Lapdock which can only be used together with a
4 phone? What's the advantage of using that as opposed to
5 just using the phone by itself?

6 "The Witness: With the Lapdock you get a full
7 desktop browser experience. You get a different experience
8 if you use the browser in the phone.

9 "By Mr. Mikhail:

10 "Question: Presumably there's a better
11 experience?

12 "The Witness: I think most people would
13 consider it a better experience.

14 "By Mr. Mikhail:

15 "Question: And is that better experience --
16 does the -- does the larger screen contribute to that?

17 "Answer: Yes.

18 "Question: You had mentioned earlier Motorola
19 has some inventor of Lapdocks; is that correct?

20 "The Witness: I don't know what the exact
21 status of inventory is at Motorola.

22 "By Mr. Mikhail:

23 "Question: Okay. But Motorola continues to
24 sell Lapdocks from inventory; is that correct?

25 "The Witness: Motorola is continuing to sell

1 Lapdocks, yes.

2 "By Mr. Mikhail:

3 "Question: Who are they selling Lapdocks to?

4 "Answer: They sell Lapdocks to our carrier
5 customers.

6 "Question: Who would those carrier customers in
7 the U.S. be?

8 THE WITNESS: Verizon, Sprint, AT&T, and I
9 believe those are the care -- and I think that's it."

10 (End of videotaped deposition.)

11 MR. ALBERTI: Your Honor, Intellectual Ventures
12 would now like to call Dr. Donald Alpert, expert witness, to
13 testify on behalf of issues surrounding the '462 patent.

14 THE COURT: All right. Thank you very much.

15 ... DONALD ALPERT, having been duly
16 sworn as a witness, was examined and testified as
17 follows...

18 DIRECT EXAMINATION

19 BY MR. ALBERTI:

20 Q. Good morning, Dr. Alpert. Could you please state your
21 full name for the record.

22 A. Yes. It's Donald Alpert. I go by Don.

23 Q. Have you been hired as an expert in this case?

24 A. Yes. I've been retained by the plaintiff,
25 Intellectual Ventures.

1 Q. And what work were you asked to do by Intellectual
2 Ventures?

3 A. I was asked to study the '462 patent and to come to a
4 determination about whether the accused Motorola products
5 infringe that patent and also to determine whether the
6 patent is valid.

7 Q. And did you prepare any demonstratives to aid in your
8 testimony today?

9 A. Yes, I have. There's a set of slides that I hope
10 we'll be able to use.

11 Q. Did you also prepare some reports during your course
12 of work on this case?

13 A. Yes. There were at least two major reports that
14 were -- totaled about 250 pages summarizing my analysis.

15 Q. And did you bring copies of those with you today?

16 A. Yes. I see there's a binder over here that has those
17 reports.

18 Q. To the extent that you need to refer to that to
19 refresh your recollection for some specific issue today,
20 could you please let us know?

21 MR. HOLLOWAY: Your Honor, I have an objection
22 to that. If he's going to do that, I think he should
23 actually not be able to answer the question first, then go
24 through the refreshing recollection procedure.

25 THE COURT: Yes.

1 MR. ALBERTI: Sure.

2 THE WITNESS: Yes, okay. I think I understand
3 what the attorneys and the Judge has explained just there.

4 BY MR. ALBERTI:

5 Q. And so can you take a look in your exhibit binder and
6 see if you will find a JTX-8.

7 A. I was just going to ask a question: Am I allowed to
8 use this?

9 THE COURT: Yes.

10 THE WITNESS: Okay. Thanks.

11 Okay. I see JTX-8 here.

12 BY MR. ALBERTI:

13 Q. And what is JTX-8?

14 A. JTX-8 is the '462 Kumar patent that I was just talking
15 about.

16 Q. Let's talk a little bit about your background. Could
17 you please just generally describe what your background is
18 in?

19 A. Yes. It's in electrical engineering, and I've been
20 fortunate to experience most of the so-called microprocessor
21 revolution.

22 I think we've heard yesterday about the first
23 microprocessor came out in 1971. I actually had my first
24 experience in 1976. That was a microprocessor that had
25 5,000 transistors in it, and the most recent microprocessor,

1 at least the one I kept track of, has about two-and-a-half
2 billion transistors, so during the course of my professional
3 experience, that's an increase of about half a million times
4 the number of transistors.

5 And so throughout that period I've had
6 experience in applying microprocessors, designing them,
7 analyzing them, studying them, and writing and teaching
8 about them.

9 Q. Could you please walk us through some of your relevant
10 work experience.

11 A. Yes. Well, I think the, probably the most significant
12 accomplishment from my perspective is, I worked at Intel for
13 about 13 years, and over there I was the principal engineer
14 for the Pentium processor and it was not only a, you know, a
15 technical accomplishment of which I'm very proud, but it
16 also became a household name.

17 The Intel Inside and Pentium became well enough
18 known. I know that people would ask my mother in her
19 retirement community once the publicity came about.

20 Q. What is the Intel Pentium processor?

21 A. The Pentium processor is a central processor. It was
22 the most widely used, at least in the mid-nineties, for
23 personal computers, and I think even the patent itself makes
24 reference to the fact that it was commonly used in laptop
25 computers.

1 I also at Intel, I was just going to mention
2 another significant product that I worked on was known as
3 a chip set. It's an 815 chip set. It came out a little
4 bit later, but it was the most widely used chip set at the
5 time. That means it handled the graphics memory and the
6 various I/O devices that would be in a desktop or laptop
7 computer.

8 Q. Are you a named inventor on any patents?

9 A. Yes. Over 30 patents.

10 Q. All right. Could you please describe your educational
11 background.

12 A. Yes. I have undergraduate degree in electrical
13 engineering. I graduated from MIT in 1973 and then later I
14 went to graduate school at Stanford University in
15 California, and I have a Master's degree from there and a
16 Ph.D. in 1984.

17 Q. What do you currently do for a living?

18 A. Currently, I'm an independent consultant. I have my
19 own company, so I'm the only employee also.

20 Q. Do you belong to any academic societies or groups?

21 A. Yes. For electrical engineers, the kind of main
22 organization is the Institute of Electrical and Electronic
23 Engineers, sometimes called IEEE. And, in fact, I was a
24 member of the technical committee for microprocessors and
25 the past chair of that. I am also a member of a little bit

1 more software-oriented group that's called the Association
2 For Computing Machinery, ACM.

3 Q. Have you testified in trial in a District Court
4 proceeding before?

5 A. Yes, I have.

6 Q. How many times?

7 A. Twice.

8 MR. ALBERTI: Your Honor, IV tenders Dr.
9 Alpert as an expert in electrical engineering and
10 computer science, including processors and processor-based
11 devices.

12 THE COURT: All right. Any objection?

13 MR. HOLLOWAY: No objection, your Honor.

14 THE COURT: All right. Thank you.

15 BY MR. ALBERTI:

16 Q. What analysis did you do with respect to the '462
17 Kumar patent?

18 A. Well, as I mentioned before, I analyzed the patent,
19 comparing it to Motorola's accused products, and I found
20 that, in fact, the accused Motorola devices do infringe the
21 '462 Kumar patent. And I also considered whether the patent
22 was valid and looked at the number of prior art references
23 that Motorola's expert had provided and I concluded that the
24 patent is valid.

25 Q. Are you being paid for your work on this case?

1 A. Yes. I'm being paid at an hourly rate. It's \$500 an
2 hour, what I've earned as a standard fee now.

3 Q. Is your compensation in any way tied to the substance
4 of your testimony?

5 A. No. I'm paid for the time, not for the outcome or
6 results, and certainly not anything that would be related to
7 the outcome of the trial here.

8 Q. Could you please go over the materials that you
9 reviewed in reaching your opinions?

10 A. Yes. There's a summary over here. I would say
11 hundreds, certainly hundreds of documents, thousands and
12 thousands of pages that were involved only talk about a
13 small subset here today, but there was, of course, the
14 Kumar '462 patent itself and something known as the file
15 history. That's the record of the communication between the
16 applicant and the Patent Office while the patent is being
17 reviewed. Deposition testimony of Motorola's engineers.
18 Specifically, Mr. Barber that we've just heard, and their
19 expert that I believe we'll hear from next week.

20 A lot of documents from Motorola.

21 Specifications, third-party documentation. For example,
22 there's one of the processors that I will talk about that's
23 used in the handsets, nearly 6,000 pages just for the
24 specification of that one component.

25 There were hardware schematics. That's the

1 representation of the board and the components and how
2 they're interconnected that would be in a phone, and as well
3 as the software, sometimes called source code, but basically
4 in kind of a human readable form of the software that runs
5 on the phones.

6 And, finally, I actually, you know, tested on my
7 own and used and had the experience of working with all of
8 these accused products.

9 Q. About how much time did you spend in your infringement
10 analysis?

11 A. I spent about 300 hours, including writing the reports
12 and some of the other work.

13 Q. Moving on now specifically to the '462 Kumar patent,
14 what generally is the technology described in that patent?

15 A. Well, I think the title is a good summary. It says
16 that it's a portable computing, communication and
17 entertainment device, and more specifically with a central
18 processor that's carried in a detachable handset.

19 Q. Could you give us a real life example of such a
20 system?

21 A. I'm just looking at several of the phones, of the
22 system. Well, I think we'll talk about it more, but there's
23 the phone over here, Atrix 4G, that's identified as PTX-48.
24 And there's one of the Lapdock products. And I think I will
25 point to this one, which is the Lapdock four Atrix 4G. And

1 that one is identified as the Exhibit PTX-54.

2 MR. ALBERTI: Your Honor, we would move to admit
3 PTX-48 and 54 into evidence.

4 MR. HOLLOWAY: No objection, your Honor.

5 THE COURT: Thank you.

6 (Plaintiffs' Trial Exhibit No. 48 and 54 were
7 admitted into evidence.)

8 BY MR. ALBERTI:

9 Q. In general, what were some of the problems that the
10 Kumar patent was attempting to solve?

11 A. Well, again, this is back in 1999, when the patent was
12 first applied for. And one of the problems identified is
13 that typical kind of mobile, I was going to say office
14 worker. It's actually, you know, salespeople. It's people
15 walking around on a factory floor as well needed to have
16 multiple devices to perform all of the functions that were
17 going to be important to them. It might be a smartphone
18 or even just a basic cellular phone, an organizer, and in
19 this case, it's also a laptop unit.

20 And besides just having to pay for and hold onto
21 multiple devices, associated with those devices there were
22 some additional problems. There's a lot of accessories that
23 you need for charging, extra batteries, and as well there's
24 a challenge of -- it's described here technically as
25 synchronizing the data between, among the devices.

1 And what that really kind of means is that, for
2 example, if you had a, some type of an organizer, portable
3 digital assistant, and you had someone's phone number in
4 there, but that information wasn't on the phone, then you
5 were stuck with a problem. You could read it off there and
6 type it in, but what you really wanted was to have that same
7 information available on all the devices or on a single
8 device.

9 Q. What does the Kumar patent say about some of the
10 problems of early handheld devices?

11 A. Well, again, this is speaking of the prior art, but I
12 think it would be also common today, which is to say that
13 these smaller devices that you can hold in your hand, they
14 have a relatively small screen that's used for both
15 displays.

16 In some of the prior art, you actually had
17 separate display and keyboard. And so these are quite small
18 for doing certain type of activity that might be much more
19 comfortable on a desktop computer.

20 I think it gives an example here. Yes, it
21 mentions web browsing, word processing. If you need to
22 enter a lot of text or read a big document, then that's
23 quite awkward to do on any kind of device of this size.

24 Q. And what did the Kumar patent say about the
25 limitations of the processing power of some of these early

1 devices?

2 A. Well, the patent does indicate in the background that
3 some of these various handheld devices, they were limited in
4 function, very limited in the battery capacity, especially
5 because the battery is a substantial part of the size and
6 weight of these devices, and that therefore they were --
7 wound up being limited in the processing power that was
8 available. Just enough to do whatever task the kind of
9 single function device was intended for.

10 Q. And how did the Kumar patent attempt to overcome some
11 of these problems?

12 A. Well, in the summary of the invention that's up here,
13 it does explain that an object of the invention was to
14 provide a single device that was for these various
15 functions, computing communication and entertainment.

16 I think if we look -- I'm just waiting for the
17 highlighting to come up. And, in particular, that single
18 device does work much like a conventional computer, but in
19 this case there's a detachable handset which has the
20 central processor and all the communication capabilities as
21 well.

22 Q. Now, before we go too far into the patent itself,
23 can you give us a little bit of background on computer
24 systems.

25 A. Yes. In fact, the field that I specialize in is

1 called computer architecture, and so it does kind of span
2 both the software and the hardware. And in order to manage
3 the complexity of -- actually, older computer systems, it's
4 important to think about different levels of abstraction
5 regarding what the computer system is doing.

6 And I've shown over here this diagram. There
7 are three levels. The first two levels are different types
8 of software I will talk about in just a moment, and the
9 third level is the actual hardware components.

10 The level that's shown on top there is
11 application software. That's generally why someone kind of
12 picks up one of these devices. They'll want to select one
13 of the various applications that it can run, maybe to browse
14 the web, maybe to make a phone call. I'm thinking just show
15 photos of your family, some of the applications that we all
16 commonly use.

17 The applications software, the next level is
18 actually the operating system software. And that would be
19 the software that kind of switches between the applications
20 because you want to be able to do more than one thing even
21 if you just are changing from time to time to do more than
22 one thing, and it also is what controls the hardware of the
23 system.

24 And, finally, as I mentioned, what's shown as
25 the lowest level here is the actual physical hardware

1 components that are used to make the computer system.

2 Q. What are some of the typical hardware components in a
3 computer system?

4 A. Yes. This is an example that represents, in fact,
5 what I've taught at kind of undergraduate electrical
6 engineering level, and usually we talk about the kind of
7 three main classes of devices, types of devices that are in
8 a computer system.

9 One is the central processor shown on the left
10 side there. That device executes programs. In particular,
11 it would execute the software that I talked about, both the
12 applications and the operating system.

13 And next in the middle is some memory and that
14 stores information. It stores the programs that I talked
15 about. That's where the processor executes the programs
16 from that memory. And there's also all the data that the
17 processor manipulates.

18 And shown on the right side there, various other
19 devices in the system, sometimes called input/output
20 devices, or sometimes called peripheral devices, because
21 they're kind of at the outer edge of the system interacting
22 with either other systems or with humans.

23 And those input/output devices, examples, might
24 include for output, you might have a printer or a display
25 screen. For input, you might have a keyboard or mouse, for

1 example, are commonly used devices.

2 Q. What are some of the functions of the central
3 processor in a computer system?

4 A. Well, as I mentioned, it would execute the operating
5 system and the applications. It actually performs the
6 primary computational functions of the computer system.

7 Q. And what's an example of a central processor?

8 A. Well, one example would be the Pentium processor that
9 I worked on and is also referenced in the patent.

10 Q. What are the differences between ordinary chips and
11 central processors?

12 A. Well, all of the devices that I've shown here are
13 actually made from the same basic technology. The past
14 30 years, it has been what's called a semiconductor
15 technology. Kind of silicon is the fundamental material
16 there, and then additional materials are applied to make
17 semiconductor components.

18 And that same technology is used to make chips.
19 Some of the chips are processors. Some would be memory.
20 And others would be for I/O devices, for example, at least
21 in a computer system.

22 Q. Can a computer system have more than one processor?

23 A. Yes. There can be multiple processors. There's one
24 central processor, and I think we'll see examples that there
25 would be potentially other specialized processors. In

1 particular in the devices over there, are likely to include
2 a processor, such as a single processor that would be used
3 for communications peripherals.

4 Q. Returning to the '462 Kumar patent, does the patent
5 provide an example of the system?

6 A. Yes, the patent does. There are a couple figures that
7 represent that. Figure 1 and Figure 5 are shown up on the
8 slides over here.

9 Figure 1 shows what's highlighted in orange over
10 there, is a handset, a detachable handset. And in green is
11 a portable docking display unit.

12 Figure 5 kind of shows a particular
13 organization. I think the significance there is just to
14 show when the docking display unit can be opened up.

15 Q. Does the handset, which is labeled 20, have
16 operation or utility separate from the docking
17 station?

18 A. Yes. The handset can be used separately. The patent
19 explains in the summary of the invention that it's a
20 wireless phone unit, but it also has additional
21 functionality. It can be used for playing music and for an
22 alarm clock as well as other examples that are provided in
23 the patent.

24 Q. In the Kumar system, where is the central processor?

25 A. The central processor is in that detachable handset.

1 That's kind of what's represented here in the orange with
2 the green representing the portable display unit.

3 Q. And when the handset is combined with the portable
4 display unit, what provides the processing power?

5 A. When the two are combined, when the handset is
6 attached to the docking display unit, it's, in fact, the
7 handset that provides the processing and communication
8 power. More specifically, it's the CPU in the handset
9 that provides the processing power for this combined
10 system.

11 Q. Switching topics a little bit now, let's talk about
12 the actual claims of the patent. And starting with claim 1,
13 can you quickly walk us through the main elements of
14 claim 1?

15 A. Yes. The very beginning identifies what is sometimes
16 called a preamble, where it says that the claim itself
17 covers a portable processing device, and then there are more
18 specific requirements. There's kind of a lot of words
19 there, and we are going to go through I think pretty much
20 every word in a little while. But there's an overall
21 structure as well.

22 The first major element, which is identified as
23 element 1a up there, is a detachable handset that has
24 certain characteristics.

25 The second major element, 1b, is a portable

1 docking display unit.

2 And, finally, there's an element, 1c, that
3 explains that the docking display unit itself is only fully
4 operable when the handset is attached.

5 Q. Now, looking at Figure 1, can you point out where
6 these various elements are?

7 A. Yes. The portable processing device that was in the
8 preamble, that's represented in Figure 1 as an element with
9 a number 10, and that's showing both -- what you'll see is
10 the handset and the docking display unit. The detachable
11 handset unit is indicated by a number 20 in that figure, and
12 the docking display unit is indicated by a number 30 in
13 Figure 1.

14 Q. Now, what does the claim say about the central
15 processor for this system?

16 A. The claim says that the detachable handset includes a
17 central processor, the kind of highlighted in red on the
18 third line there. And it also says that the portable
19 docking display unit does not include a central processor.

20 Q. What is Figure 3 that we see here?

21 A. Figure 3 is a block diagram of the handset and of the
22 docking display unit. It looks quite busy, but it does
23 have meaning to an engineer that's familiar with this
24 technology.

25 And we can see on the left side the detachable

1 handset unit has a central processor. It's signified by a
2 number 11. It also has a number of other components, some
3 of which will be relevant to the claims.

4 And on the right side, again, highlighted in
5 green is the portable docking display unit, and there's no
6 central processor in the portable docking display unit.

7 Q. Does no central processor mean there are no other
8 chips or any other processors in the device?

9 A. No. There's most definitely chips, various types of
10 electronic components in there. And as I mentioned, there
11 can also be other specialized types of processors, but just
12 not a central processor.

13 Q. Going back to claim 1, there's some language here
14 describing interfaces. Can you explain to the jury what
15 those are?

16 A. Yes. First of all, actually, it mentions that there
17 are a plurality of first circuits, so I just want to
18 explain, it's circuits.

19 When engineers talk about a circuit, they're
20 referring to a collection of electronic components. And so
21 these particular electronic components, the interfaces, are
22 located between the central processor and the actual
23 devices, and they are used to control and to drive those
24 devices that they're attached to. Video interface, for
25 example, would be connected to a display.

1 Q. What does the patent say specifically about the
2 interfaces and where they are located on Figure 3?

3 A. Well, on Figure 3 highlighted in yellow we have the
4 shown communication interface, a video interface. That's
5 No. 15. I'm just going from top to bottom, what's
6 highlighted there. A pen interface and a keyboard
7 interface. The patent tells us these interfaces are used to
8 support and drive the various peripheral devices, I/O
9 devices themselves.

10 Q. What does the existence of a central processor and the
11 set of interfaces within that handset allow the handset to
12 do?

13 A. Well, that provides the capability that the handset
14 can, the user can interact with the handset, and in
15 particular, it will -- it can be functional for the user.

16 Q. Now let's talk a little bit about the accused
17 products. At a high level, what accused products did you
18 analyze in this case?

19 A. There were a number of smartphones from Motorola, also
20 known as a handset, and three models of what are identified
21 as the Lapdock product over there.

22 Q. And can you state for the record what specific models
23 that you looked at?

24 A. Yes. There's the phone or handset that's known as an
25 Atrix 4G, and that particular phone works with a docking

1 display unit. That's the Lapdock for Atrix 4G.

2 There were three more phones that I looked at:

3 The Photon 4, Electrify, and Atrix 2, and each of these
4 phones will work and operate with either a Lapdock 100 or a
5 Lapdock 500.

6 Q. In front of you you'll see there's some devices along
7 with your notebook. Can you see if you can identify each of
8 those products?

9 A. Yes, I can. In fact, they are labeled, but I can also
10 tell by the carrier on many of them who it was for. I have
11 one that's PTX-64 that's an Electrify smartphone and that
12 was carried by U.S. Cellular. It's a Motorola smartphone,
13 Motorola's name on the front.

14 I'm just picking them up in order. So the Atrix
15 2 is the next one, a Motorola smartphone, and that's PTX-45.
16 That was carried by AT&T.

17 And the third one here in this pile is a
18 Motorola Photon 4G phone, PTX-42, and that one has Sprint's
19 name on the back.

20 For the Lapdocks, I have over here a Lapdock
21 100. It's PTX-58. And the larger one that I have here, the
22 largest one is a Lapdock 500, and that one has a label on
23 here, PTX-61.

24 MR. ALBERTI: And, your Honor, Intellectual
25 Ventures moves to admit PTX-64, 45, 42, 58 and 61 into

1 evidence.

2 THE COURT: Any objection?

3 MR. HOLLOWAY: No objection, your Honor.

4 THE COURT: Thank you.

5 (Plaintiffs' Trial Exhibit No. 64, 45, 42, 58

6 and 61 were admitted into evidence.)

7 BY MR. ALBERTI:

8 Q. Now, what was your opinion regarding the accused
9 products and whether or not they infringed the claims of the
10 '462 Kumar patent?

11 A. Well, there are certain claims that are asserted in
12 this case and it's my opinion and definite conclusion that
13 the accused products do infringe those claims.

14 Q. Was there any disagreement between you and Motorola's
15 expert as to whether or not the products infringed claim 1?

16 A. Yes. For claim 1, I understand there's one point of
17 disagreement, which is whether the Lapdock includes a
18 central processor or not.

19 Q. Do any of the Lapdocks include a central processor?

20 A. No, definitely not.

21 Q. Let's talk a little bit about the accused handsets.
22 You introduced them earlier. What are some of the common
23 features of the accused handsets?

24 A. Well, there's the photo up there. Let me just see.
25 I've got the Atrix 4G here.

1 I think people can hopefully see or maybe later
2 when you get your hands on it that most of the smartphone
3 itself is a piece of glass. It looks like it's just a solid
4 piece of glass, but there's actually different layers in
5 there. And this serves as a, what's called a touch screen.
6 So it's used both to display information that the user can
7 see as well as when you press on it, the phone can sense
8 input from the user.

9 Additionally, there's a central processor in
10 each of these phones. It's sometimes -- sometimes in the
11 documentation it's called an applications processor, an AP,
12 or sometimes AP-CPU.

13 For each of these phones, that application
14 processor runs an operating system. It happens to be known
15 as an Android operating system. That's provided by Google.
16 And it also runs some -- a number of applications, all the
17 applications that are available for the Android, but, in
18 particular, there's an application that was developed by
19 Motorola known as the WEBtop, which is what allows the phone
20 to work together with the Lapdock, to provide a bigger
21 display and keyboard input.

22 Q. Now, relative to your infringement analysis, was there
23 any difference in the structure and operation of those
24 different phones?

25 A. There were some small differences, but none was

1 significant for the infringement analysis.

2 Q. Now let's talk about the docking display units. What
3 were some of the common features of each of those display
4 units you introduced?

5 A. Yes. Each of them -- I'm just holding up the Atrix,
6 sorry, Lapdock for Atrix 4G over here. These have large
7 display and keyboard, can be used like a laptop. They have
8 a place where the phone can be docked into there. And,
9 additionally, none of the Lapdocks has a central processor.
10 They all rely on the central processor that's in the
11 smartphone.

12 Q. Now let's go back to that one issue you said you had
13 between you and Motorola's expert. That was whether or not
14 the Lapdock included a central processor?

15 A. Yes. Just to be clear for the record, that's one
16 issue with respect to claim 1.

17 Q. Okay. And your opinion was?

18 A. Okay. I said it and I will say it again probably more
19 than one time up here, but the Lapdock does not have a
20 central processor.

21 Q. Now, what were some of the things that you considered
22 in reaching this opinion?

23 A. Well, you know, first of all, I could look at the
24 basic structures that are in there and how it operates.
25 And, you know, as I mentioned, I have over 30 years of

1 experience working with processors, microprocessors,
2 computer systems, and it was my clear conclusion that there
3 is no central processor in the Lapdock. But, in addition,
4 there was, of course, from some of the information that
5 was provided in this case, there were some of Motorola's
6 own statements. Actually, I found those publicly. They
7 weren't provided to me in this case. I found those on the
8 Internet.

9 Motorola's documents that were provided, many of
10 the internal confidential documents and as well the
11 so-called source code or the human readable software, at
12 least human if you're a -- if you're kind of computer savvy,
13 they're human readable.

14 Q. If you can go into your binder, now let's start with
15 some of Motorola's own statements. See if you can find
16 PTX-281.

17 A. Yes, I see PTX-281.

18 Q. Do you recognize that document?

19 A. Yes. This particular one is the printout that I've
20 created from Motorola's website indicating a press release
21 associated with the Atrix 4G and Lapdock for Atrix 4G
22 introduction.

23 Q. And along with that press release, was there a video?

24 A. Yes. That particular web page had an embedded video,
25 was apparently a Motorola representative that was describing

1 some of the features and benefits of the Atrix 4G phone that
2 was just being introduced. This is the Consumer Electronics
3 Show that we've heard about in 2011, in January of 2011.

4 Q. Could we put PTX-634 up?

5 THE COURT: And I take it there's no objection
6 to that?

7 MR. HOLLOWAY: No objection.

8 THE COURT: All right. Thank you.

9 (Videotape played.)

10 BY MR. ALBERTI:

11 Q. Do you recognize that video as the video that was
12 linked to Motorola's press release?

13 A. Yes. Yes, it is, and it's one I'd identified in
14 the -- in the report that I've prepared.

15 MR. ALBERTI: Your Honor, we move to admit
16 PTX-281 and PTX-634.

17 MR. HOLLOWAY: No objection.

18 THE COURT: Thank you.

19 (Plaintiffs' Trial Exhibit No. 281 and 634 were
20 admitted into evidence.)

21 BY MR. ALBERTI:

22 Q. Were there any other videos that you looked at that
23 were relevant to your analysis?

24 A. You know, I think just before we move on, I hope
25 that was clear to everyone. I've heard it enough times. I

1 knew what it said. But I have transcribed it and I want to
2 make sure that everyone recognizes that this is what
3 Motorola represented publicly when the products were
4 introduced.

5 It says, this entire experience is being powered
6 by the Motorola Atrix, that's referring to the 4G phone. It
7 is a full computer in a smartphone. So the 4G phone is a
8 computer on its own.

9 The laptop dock, which was how they described it
10 when it was very first initially introduced itself, is
11 nothing more than a battery. We can't see the battery, but
12 there is a battery in here. We heard Mr. Barber talking
13 about how the battery can be charged. A screen that we see,
14 a keyboard, and it says a mouse pad. This is sometimes
15 called a trackpad over here.

16 So this is what Motorola says is the Lapdock.
17 And, yes, there was some more information. I don't know
18 which is the next exhibit.

19 MR. ALBERTI: If we could play PTX-633 clip.
20 (Videotape played.)

21 "We knew this was a good solution for our
22 consumers, but we also sat down with some leading CEOs and
23 presented the solution. They felt it was very useful for
24 them because now they don't have to manage and upgrade a
25 single device. There's more. That single device, because

1 this is -- you can see, this is a desktop, similar to a
2 desktop PC here, but if you wanted to go mobile, we also
3 created this laptop dock. Laptop dock is thin. Stereo
4 speakers. There's where you would place your phone. 11.6
5 .6-inch. Very large display. Large touch pad, large
6 keyboard there. And 36 (inaudible) battery for up to
7 18 hours of battery life because there is no storage,
8 there's no processing in here. Everything an actually run
9 from the phone.

10 "As you can see, I'm going to go ahead. So
11 remember what's shown on the screen now. Take it off.
12 We're going to put it in here. And there's not even a power
13 switch. It comes on. It shows the Motorola logo, launches
14 laptop and, bam, you're exactly where you were on your
15 desktop."

16 (End of videotape.)

17 BY MR. ALBERTI:

18 Q. Do you recognize that video as the video you watched
19 about the presentation that Motorola gave?

20 A. Yes. This was the video again that I found on my own
21 on the website. This was at the Consumer Electronics Show.
22 There was a presentation in a large hall. It was kind of
23 hosted or led by Motorola's CEO at the time, Sanjay Jha
24 (phnetic), and he introduce this fellow, Seang Chau. I've
25 seen him also in some other videos and other information

1 identified as the product manager for the Lapdock, and
2 specifically for the WEBtop software for the Lapdock.

3 And you can see this engineering manager is
4 telling us again about the Lapdock. It's saying, there's no
5 fan, there's no storage, and there's no processing in here.
6 Everything is actually run from the phone.

7 MR. ALBERTI: Your Honor, we move to admit
8 PTX-633.

9 MR. HOLLOWAY: No objection.

10 THE COURT: Thank you.

11 (Plaintiffs' Trial Exhibit No. 633 was admitted
12 into evidence.)

13 BY MR. ALBERTI:

14 Q. Let's move on to some of the documents you considered.
15 If you can take a look in your binder and see if you can
16 find PTX-204.

17 A. Yes, I see that one. This is an internal, marked
18 confidential document from Motorola. It's called a Motorola
19 Mobility Product Council Review for -- the topic is product
20 approval of the laptop, sorry, Lapdock 2 standard, which is
21 the code name for the Lapdock 100 product.

22 THE COURT: I just want to make sure you're
23 not showing documents -- are you showing things before
24 they're admitted into evidence even though I assume there's
25 no disagreement? All right. But that's the way I do

1 things.

2 MR. ALBERTI: Sure. No problem.

3 THE WITNESS: Do we need -- do we need to allow
4 that? I think I jumped the gun there by talking.

5 THE COURT: Who is working the button? Whoever
6 is working the button, wait until it's moved into evidence.
7 All right?

8 MR. ALBERTI: Your Honor, we'd move to admit
9 PTX-204.

10 THE COURT: All right. Any objection?

11 MR. HOLLOWAY: No objection, your Honor.

12 THE COURT: All right. Thank you.

13 (Plaintiffs' Trial Exhibit No. 204 was admitted
14 into evidence.)

15 THE COURT: That gives everybody a chance to get
16 some exercise.

17 MR. ALBERTI: I was the guilty party.

18 BY MR. ALBERTI:

19 Q. So we reproduced a highlighted version of PTX-204,
20 page 21.

21 Do you recognize that?

22 A. Yes. This particular page is showing, it's identified
23 as competitive benchmarking, and it's Motorola's own
24 internal planning document that's showing some of the
25 characteristics, the features of the Lapdock 1 and 2. The

1 Lapdock 1 was the Lapdock for Atrix 4G and comparing those
2 two what would be some competitive products.

3 What I was just going to mention, what's
4 highlighted on that particular line, we'll look at it in
5 some more detail, is related to a particular feature of
6 what's the processor for those products.

7 And I think we have highlighted over here the
8 competitive products, various iPad 2 for Motorola -- I'm
9 sorry -- iPad 2 from Apple. The Mac Air, which is a
10 very lightweight laptop notebook computer from Apple, and so
11 on.

12 And we can see that each of these identifies
13 a very specific processor that's with it. The iPad 2 has
14 one that's developed internally by Apple. The other three
15 are referring to Intel processors, various code names for
16 those.

17 And in contrast, for the Lapdock 2 standard,
18 that was the Lapdock 100 product, and the Lapdock 1, that's
19 the Lapdock for Atrix 4G product. The particular internal
20 planning document indicates that for a processor for those
21 Lapdocks, it is, in fact, using the handset.

22 Q. You also mentioned you relied on some deposition
23 testimony; is that correct?

24 A. Yes. Yes. I believe by Mr. Barber. And so what's
25 shown over here on page 75 is a statement. It might be one

1 of the ones that we heard earlier. But basically he's
2 saying, if the handset is not plugged into the Lapdock, the
3 screen will be dark. The Lapdock can't be used for anything
4 without the phone other than -- he indicated it can be
5 charged, but it can't provide any useful function for the
6 user.

7 Q. You also said you looked at some source code. Could
8 you please summarize that?

9 A. Yes. Some of the source code I looked at was for the
10 kind of Android operating system, but there was also the
11 WEBtop software, and two particular versions that I looked
12 at most closely are identified here. It says the particular
13 releases of that software were associated with Atrix G and
14 the Photon 4G phones.

15 Q. Now let's move on to your infringement analysis. And
16 specifically, what claims and what products did you find
17 were infringed?

18 A. The claims at issue are claim 1, 8, 10, 11 and 13,
19 and I did consider all the products that we've talked about,
20 all the accused products. And it's my conclusion that all
21 of the accused products do infringe all of the asserted
22 claims.

23 Q. How did you interpret the claim language in your
24 analysis?

25 A. Well, within the claims, particularly claim 1 that

1 we've seen, the Court provided an interpretation or it's
2 called a construction for two of the terms. Shown over
3 here, central processor, the Court informed us is the part
4 of a computer system that performs the primary computational
5 functions. For example, to control the operation of various
6 circuits.

7 And, secondly, detachable handset is a device
8 that can be attached to and detached from the portable
9 docking display unit and is small enough to be held in one
10 hand.

11 Q. Now, for terms that the Court did not provide
12 construction, how did you view those terms?

13 A. I interpreted those terms, that's kind of with their
14 plain meaning, and the plain meaning is as an engineer with
15 appropriate skill in the art. I didn't see the video, but I
16 think they probably went, went through what that meant for
17 the patent. And I identified that the ordinary level of
18 skill in the art would be an engineer with a Bachelor's
19 degree in electrical or computer engineering and one or more
20 years of actual work experience with the portable computing
21 or communication devices. And, of course, there can be
22 equivalent experience. It doesn't have to be, you know,
23 sitting down in a classroom to be able to know how these
24 things work.

25 And I would mention that this level of skill is

1 one that I'm quite familiar with, particularly at the time
2 of the patent. Within the few years, probably about a
3 year-and-a-half before the patent, I was teaching people
4 with this level of skill at Stanford University. I was
5 teaching an undergraduate class there. And also in my work
6 at Intel, I was involved in recruiting new college graduates
7 with this skill level, and once they were on the job, of
8 supervising and training them.

9 Q. Let's move on now to claim 1. Starting with the
10 preamble, did you find that all of the accused devices
11 satisfied the preamble?

12 A. Yes. The preamble being a portable processing device
13 and comprising just means that it includes the other
14 elements.

15 Q. Now, how did the accused products satisfy this part of
16 the claim?

17 A. Well, again, just using the Atrix 4G phone and the
18 Lapdock for Atrix 4G, I think it's just apparent that
19 they're small enough and light enough to be carried about,
20 that they're portable.

21 Q. Did you also rely on some testimony?

22 A. Yes. I think we heard this before also. Mr. Barber
23 also stated clearly that both the phone and the Lapdock are
24 portable.

25 Q. Do you have an understanding of Motorola's expert's

1 view on this? Did he dispute you?

2 A. No. I believe there's no dispute on this point.

3 Q. Now let's move on to the first claim limitation. I
4 think we were calling that 1a, the detachable handset unit.

5 A. Yes. Claim element 1a, detachable handset unit.

6 Q. Did you find any of the accused products satisfied
7 this limitation?

8 A. Yes. Each of the accused smartphones does satisfy the
9 limitation.

10 Q. So taking this one piece at a time because there's a
11 lot of words there, let's just start with the phrase, a
12 detachable handset unit.

13 How did each of the phones satisfy that
14 limitation?

15 A. Well, I think that that was one of the terms that the
16 Court had defined for us, and I think if I remember on the
17 next slide, might have that definition. If I'm wrong, we
18 shouldn't go there. No, okay.

19 So, yes, it does say up there, it's a device
20 that can be attached to and detached from the portable
21 docking display unit. Okay. Let me get the right one
22 here.

23 And so this phone we can see and we have seen
24 earlier, it can be attached to the docking display unit and
25 detached, and it's small enough to be held in one hand, I

1 think. And we saw the representative from Motorola holding
2 it up on the -- the image that was on their website.

3 Q. Okay. Moving on to the next phrase, it says it's
4 sized for handheld grasping. How do different handsets
5 satisfy that?

6 A. Well, again, they're all sized not just that you
7 couldn't hold it in one hand, but you can really just get
8 your fingers around it and hold it securely so you can
9 operate it with your other hand while it's in the grasp of
10 your first hand.

11 Q. Now, the next part of claim limitation 1a says that
12 the detachable handset unit includes a central processor.
13 Were you able to determine whether the accused handsets did
14 include a central processor?

15 A. Yes. Each of the accused handsets includes a central
16 processor.

17 Q. Starting with the Atrix 4G as an example, what is a
18 central processor in the Atrix 4G?

19 A. One of the components in the Atrix 4G is a chip. It's
20 called a system on chip from a company called nVidia, and it
21 has the code name of an AP20. And within that component
22 there is a central processor.

23 Q. Can you please go to your binder and find PTX-426.

24 A. Yes. I have that, and this is -- it's kind of a
25 project product summary that was a document internal for

1 Motorola's planning purposes. It's sometimes referred to as
2 a dashboard. This was for the Atrix 4G. It has the code
3 name during the development of Olympus.

4 MR. ALBERTI: Your Honor, we move to admit
5 PTX-426.

6 MR. HOLLOWAY: No objection, your Honor.

7 THE COURT: Thank you.

8 (Plaintiffs' Trial Exhibit No. 426 was admitted
9 into evidence.)

10 BY MR. ALBERTI:

11 Q. How does the, you called it the Tegra 2 processor, how
12 does it satisfy that central processor limitation?

13 A. Well, we can -- I just want to identify a little bit
14 more about that processor first. It's one of the key
15 selling points that's identified for this is the fact that
16 there's called a dual core processor. The AP20 has that
17 characteristic.

18 And the next kind of entry that came out of this
19 document shows that it is, in fact, the nVidia AP20
20 processor that's in there. It also identifies a baseband
21 processor, MDM6200. That's from a company known as
22 Qualcomm. Basically, if you have a smartphone, it's the
23 AP20 that makes it smart. That's what makes a smartphone
24 smart. It's kind of the brains of the whole thing.

25 And the baseband processor and associated

1 circuitry is what makes it a phone, allows you to make phone
2 calls and to receive and transmit data over the cellular
3 connection.

4 Q. Now going to page 2 of that same document, what does
5 the central processor do in the handset?

6 A. Well, a couple of things that are identified here in
7 that document are the software that's provided with the
8 smartphone computer system, and it does indicate that the
9 smartphone has the Android operating system. And among the
10 applications available on there is the WEBtop application
11 that allows the phone to control the Lapdock.

12 Q. Can you please turn now to PTX-435 in your binder and
13 let me know if you recognize that.

14 A. Yes. This is a hardware schematic diagram for the
15 main board in the Atrix 4G phone.

16 MR. ALBERTI: Your Honor, we move to admit
17 PTX-435.

18 MR. HOLLOWAY: No objection, your Honor.

19 THE COURT: Thank you.

20 (Plaintiffs' Trial Exhibit No. 435 was admitted
21 into evidence.)

22 BY MR. ALBERTI:

23 Q. Now, can you please explain to the jury what this
24 rather complicated looking diagram is?

25 A. Well, I will explain just generally that the

1 schematics, that's a way that the kind of graphically and
2 kind of formally the components and the interconnection that
3 are on the board. It's actually built, derived from the
4 same format as this graphical representation, and it does
5 show us there the apps processor, A-p-p-s processor. And
6 the top right, it indicates, in fact, that it is the AP20
7 that's in there.

8 And there's the processor then that runs the
9 applications. It's performing the primary computational
10 functions by running the various applications. And as we'll
11 see, it is also controlling the devices when the operating
12 system executes.

13 Q. Moving on to the rest of the claim, it also recites a
14 plurality of first circuits.

15 First of all, what does that mean?

16 A. Well, first of all, as I mentioned, the circuit,
17 generally, an engineer with skill would just indicate that
18 there's some arrangement of electronic components. It's
19 calling it first circuits here just to distinguish it from a
20 second set of circuits that would be located in the portable
21 docking display unit. And the circuits that the claim
22 element 1a indicates need to be, that are required of the
23 detachable handset are a video interface, communication
24 interface, and a data input interface.

25 Q. And that word "plurality," what does that mean?

1 A. Plurality just means, I think it means more than
2 one.

3 Q. All right.

4 A. I guess like plural. Yes.

5 Q. Did each of the Motorola handsets meet the first
6 circuit limitation?

7 A. Yes. Yes. They have -- each of the handsets has all
8 of those interface circuits.

9 Q. If we could go back to PTX-435, where were the video
10 interface circuits?

11 A. The video interface circuit, it's shown over there.
12 This box was even labeled in the schematic as a display
13 interface, kind of display and video are used
14 interchangeably. So that would be the video interface.

15 This is also part of the AP20 component. As I
16 mentioned, technology has improved so much that you can
17 include not only the processor, but even portions of the
18 memory, and some of the device controllers on a single
19 chip. So this is the video interface.

20 Q. Continuing on with PTX-435, did you identify
21 communications interface?

22 A. Yes. Just for the record, this is a different page.
23 This is on page 1. What's highlighted is interface for the
24 cellular communication that's going over to the baseband
25 processor. Just below that is a Bluetooth interface.

1 Bluetooth is a wireless communication. If you use it with
2 a phone, it's common to have a Bluetooth headset. And a
3 Wi-Fi interface, which is the wireless local networking
4 standard.

5 Q. And, finally, did you identify a data input interface?

6 A. Yes. There were actually several, but one that is
7 shown over here, it looks like that's also on page 1, is
8 interface to the touch screen. And we can see, it's kind of
9 touch/prox it says, on the left side. Prox would be for
10 proximity.

11 Q. If you could go your binder now, see if you can
12 find PTX-167 and let me know if you recognize that
13 document.

14 A. Yes. Let's see. 167, yes. It's identified as some
15 training slide internal Motorola document for an MB860,
16 which was the, also not the code name, whatever the product
17 number for the Atrix 4G phone.

18 MR. ALBERTI: Your Honor, we move to admit
19 PTX-167.

MR. HOLLOWAY: No objection, your Honor.

THE COURT: Thank you.

22 (Plaintiffs' Trial Exhibit No. 167 was admitted
23 into evidence.)

24 BY MR. ALBERTI:

25 Q. Now, looking at this document, can you identify what

1 the data input interface drives in the system?

2 A. Okay. In this -- the diagram over here, what's kind
3 of highlighted on the slide, it looks like it's page 8, is
4 that there's a four-inch, would be four-inch diagonal
5 touchscreen display. And as I mentioned, that's used both
6 as a display and an input device and the touch portion of it
7 would be used as the, the way that the user can input
8 information.

9 If there's a phone application, you can touch
10 the screen and select the numbers. If it were a web
11 browser, you could press on the screen and the link would be
12 selected.

13 Q. The final limitation here that we have in 1a says that
14 the central -- said processor controlling the operation of
15 said first circuits.

16 What does that mean?

17 A. Well, this is said processor is referring to the
18 central processor, so it's saying that the central processor
19 controls the operation of those interfaces, and so
20 specifically, that's accomplished. The AP20 as part of the
21 operating system, there are certain portions of the
22 operating system that are known as drivers or device drivers
23 and those specifically control the circuits. One of the
24 ways they do that is that each of those interface circuits
25 has some control registers, kind of a place that the

1 operating system writes a command to the device in order to
2 control it, sorry, to the interface itself in order to
3 control it.

4 Q. Do you have an understanding of whether Motorola's
5 expert disputed that the various handsets satisfy claim
6 limitation 1a?

7 A. It is my understanding there's no dispute on that
8 point.

9 Q. And did your analysis apply to all the handsets you
10 examined?

11 A. Yes. It applies to all of them.

12 This next slide is just a summary showing that
13 the, for three of the handsets, Atrix 4G, Photon 4G and
14 Electrify, all use that AP20 processor from nVidia and that
15 applications processor has within it, has a central
16 processor.

17 The Atrix 2 uses a different applications
18 processor. It's one from Texas Instruments. Got a product
19 name of an OMAP4430. That also has a central processor
20 within it.

21 Q. Moving on now to the second limitation, that is the
22 portable docking display unit, are you able to determine
23 whether any of the accused products satisfy the claim
24 limitation 1b?

25 A. Yes. The accused products do satisfy limitation 1b.

1 Q. And how do the accused products satisfy the
2 portability piece of that?

3 A. Well, they can be carried about. I think this form
4 factor is sometimes called a notebook computer because it's
5 common to carry it on your side the way you might carry a
6 notebook.

7 Q. Can you go into your binder and see if you can find
8 PTX-136.

9 A. Yes. I see that document. It's also this, what
10 Motorola was calling a dashboard that's kind of internal
11 planning and product summary judgment. In this case, it's
12 for the Lapdock for Atrix 4G. It had a project name of
13 Attach.

14 MR. ALBERTI: We move to admit PTX-136.

15 MR. HOLLOWAY: No objection, your Honor.

16 THE COURT: Thank you.

17 (Plaintiffs' Trial Exhibit No. 136 was admitted
18 into evidence.

19 BY MR. ALBERTI:

20 Q. Taking a look at the first phrase of limitation 1b, it
21 says, a portable docking display unit dimensioned
22 substantially larger than said handset unit.

23 Looking at PTX-426, which we already addressed
24 and 136, how did you determine that this limitation was
25 satisfied?

1 A. Well, I think, first of all, you know, it doesn't take
2 an engineering degree to look and to understand that the
3 Lapdock is substantially larger than the phone. Just
4 looking at the dimensions, it's about eight times larger
5 when it's closed, and, of course, it's used when it's open,
6 so the display and the keyboard are accessible, and it's
7 even -- it's even larger than that. So I think that was
8 clear.

9 Q. And can you please take a look in your binder at
10 PTX-281.

11 A. Yes, I see that. I believe we might have referred to
12 this before. It's the press release that I've talked about
13 when the product was first introduced. And, again, this is
14 actually the wording from the press release, not
15 specifically from the video. And it is Motorola's
16 explaining to the world that specifically the Lapdock
17 provides users with a larger screen keyboard and trackpad,
18 enabling them to have an enhanced, a more interactive
19 computer-like experience with their devices.

20 So just like the patent in fact taught the
21 screen is kind of too small for displaying, say -- of
22 displaying and entering information for web browsing or
23 large document processing, again, it's serving the same
24 purpose here of providing more of a computer-like
25 experience.

1 Q. Now let's move on to the next part of 1b. It says the
2 portable docking display unit, including a first display.
3 Did you find that the various Lapdocks you analyzed
4 satisfied this limitation?

5 A. Yes. There's a first display, a display of each of
6 them. This is what's known as a display. It's more
7 specifically, it's a liquid crystal display or LCD.

8 Q. Can you now turn to your binder for PTX-217.

9 A. Yes. I see that document. It's a specification,
10 internal confidential engineering document for the Lapdock.
11 That would be Lapdock for Atrix 4G.

12 MR. ALBERTI: Your Honor, we move to admit
13 PTX-217.

14 MR. HOLLOWAY: No objection, your Honor.

15 THE COURT: Thank you.

16 (Plaintiffs' Trial Exhibit No. 217 was admitted
17 into evidence.)

18 BY MR. ALBERTI:

19 Q. Do you recognize the diagram shown on the screen?

20 A. Yes. This is the diagram from page 9 of that document
21 that's known as a, just a block diagram. It shows the kind
22 of major components and how they're interconnected. And
23 I've just had the LCD panel, the liquid crystal display
24 circled on there, to show the first display.

25 Q. Moving on to the next part of limitation 1b, it says a

1 plurality of second circuits.

2 What is that?

3 A. We saw before there was first circuit, so these are
4 second. There are also some circuits that it's going to
5 identify and they're distinct and additional to the first
6 circuits that were in element 1a.

7 Q. The claim goes on to say that the second circuits do
8 not include a central processor.

9 Were you able to determine whether the Lapdock
10 products did not include a central processor?

11 A. Yes, I determined they do not include a central
12 processor, as the claim requires.

13 Q. Now, turning back to that engineering diagram we
14 looked at on PTX-217, can you explain to the jury how you
15 concluded there's no central processor through the
16 documentation?

17 A. Well, even before we get into the, to the detail of
18 this one, you know, I think that we've heard and seen that
19 when the phone is not attached, that you can't use the
20 Lapdock, that it does not have anything on display. You
21 can't input any information. And furthermore, if we do look
22 at this diagram, we can see -- I wish I had a pointer, but I
23 will try to describe it.

24 The two main sections I wanted to point out.
25 There's a subsection at the top where there's something

1 that's labeled as an HDMI connector in HDMI. I don't
2 remember what it stands for, but it's widely used video
3 consumer electronics interconnection. If you have a flat
4 panel TV or you've seen one in recent years, it would most
5 likely have that type of connection in.

6 The audio and video information and control
7 information comes from the smartphone into there through a
8 device that's in green identified as a scaler. And from
9 there it's presented on the screen, the LCD panel, and
10 provided to the amplifier for the speakers.

11 Most of the rest of this up here is a separate
12 subsystem that's used primarily for the data input, and
13 that's a connector, kind of in orange, about the middle of
14 the screen there. It says a micro USB connector. USB
15 stands for universal serial bus widely used in computers.
16 The micro, if you've got pretty much any portable device, it
17 uses that connection at least for charging. And that is
18 related to a hub over there as well as the keyboard shown on
19 the right in blue. And just next to the keyboard is a touch
20 pad.

21 So there are two subsystems of the computer
22 system that are in here. The first one is for audio and
23 video. The lower one is for the input devices. And these
24 are completely separate in here. In fact, all of the,
25 the central control that covers these devices is located

1 back in the handset and it does come from the central
2 processor.

3 And, in fact, I was noticing just --

4 Mr. Barber's testimony that, of course, I've read before,
5 but I was hearing again fresh today. He, in fact, indicated
6 that the Lapdock is a peripheral of the handset, meaning
7 that, in fact, it's just a device that's under control of
8 the handset.

9 Q. So when a handset is connected to this peripheral
10 Lapdock, what's performing the primary computational
11 functions of that system?

12 A. Well, that would be, of course, the central processor,
13 and that's within the AP20 that I indicated, within the
14 applications processor. It's running the applications. If
15 you have a browser, it's determining how the screen, the
16 page would be presented. Kind of interprets something
17 called an HTML that describes the contents of the page.

18 If you have a -- you're showing photos, that it
19 will call up the photo, allow you to resize them. You could
20 play music. So it is that central processor that's running
21 the applications and it's controlling the devices of the
22 computer system, including the devices that are in the
23 Lapdock.

24 Q. Now referring back to PTX-204, what did Motorola say
25 about the central processor with respect to the Lapdock

1 product?

2 A. Yes. We have seen this before. Just to repeat, but
3 quickly, it does say that the Lapdock, in fact, uses the
4 handset for the processor, and that is distinguished from
5 the competitive products, where each of those has its own
6 central processor, either the one Apple developed or the one
7 provided by Intel.

8 Q. And, again, were you informed by Intel's spokespeople
9 with respect to this issue?

10 A. Yes. This was, again, from that video. And, again,
11 it quite clearly states that the experience is being powered
12 by the phone and that Lapdock itself has merely a battery
13 screen, that we've seen the display, keyboard and mouse,
14 mouse or trackpad.

15 Q. Claim limitation 1b goes on to say that the docking
16 display unit includes a video interface and a data input
17 interface.

18 Were you able to determine whether the various
19 Lapdock products satisfied this part of the claim?

20 A. Yes. They each have their own interface circuits.
21 That's, of course, additional to the video interface and
22 data input interface circuits that are within the
23 smartphone.

24 Q. Again, going back to PTX-217, what is the video
25 interface?

1 A. The video interface is the component. This particular
2 diagram, it's in green. It's identified as a scaler. It's
3 a description of the component. And I should say it's, you
4 know, as we pointed out for interface, it's located between
5 the central processor and the actual device that it's
6 controlling, that's being controlled, which would be the LCD
7 panel.

8 Q. Referring again to the same diagram, where is the data
9 input interface?

10 A. Data input interface I've identified as being the
11 USB hub, kind of a red block that's circled about the
12 middle of the diagram. And, again, that's located between
13 the central processor of the handset and the device that's
14 being controlled, which would be the keyboard and the
15 touch pad.

16 Q. Now let's move on to this last chunk of limitation
17 1b. This says, wherein said central processor controls the
18 operation of at least one of said circuits and said first
19 display when said detachable handset unit is docked with
20 said docking display unit.

21 Did you find that the various accused products
22 satisfied this part of limitation 1b?

23 A. Yes, I did.

24 Q. And how did that happen?

25 A. Well, the -- in fact, in looking at the diagram again,

1 the central processor that's within the handset does -- as
2 I've described, does control both of the video interface and
3 the data input interface, and it does that through the
4 connector, HDMI connector for the video interface and the
5 mini USB connector for the data input interface. And that
6 element or that limitation was part of element 1b, also does
7 require that the central processor control the display. And
8 the central processor of the smartphone does control the
9 display. It controls what information is presented on the
10 display. And it controls other characteristics of the
11 display, such as the brightness of the display.

12 Q. Did Mr. Barber's testimony inform your opinion?

13 A. Yes. One of the things he said, what's up here is
14 page 75 from his testimony. And, again, I don't know if
15 this is the exact quote that he said before because he did
16 say it multiple times in the deposition. But if the handset
17 is not plugged into the Lapdock, the screen will be dark.
18 So we need to have the handset attached that allows the
19 central processor through those connectors, the central
20 processor and the smartphone through those various
21 connectors to control the interface circuits and the Lapdock
22 as well as the display on the Lapdock.

23 Q. Now, how does the central processor in the handset,
24 what are the different ways it can control the display?

25 A. Well, there is the HDMI connector. It does present

1 over that the information that's put on the display, but
2 there's also a, something -- a portion of that interface in
3 that connector that's known as a data display channel. It's
4 DDC. I don't remember if it's data display channel or
5 display data channel, which is specifically -- it has been a
6 standard around for a long time, even going back to analog
7 monitors, that allows various characteristics of the monitor
8 to be controlled by host computer. And so, for example, the
9 brightness.

10 And one of the things that -- I think if the
11 next one is admissible, or is it a user guide? I might want
12 to come back to this also. Okay.

13 Q. Let's go into your binder and see if you can find
14 PTX-278.

15 A. Okay. PTX-278 is a Motorola Lapdock user's guide,
16 something that was made available with the Lapdock at least
17 through AT&T.

18 MR. ALBERTI: Your Honor, we move to admit
19 PTX-278.

20 MR. HOLLOWAY: No objection, your Honor.

21 THE COURT: Thank you.

22 (Plaintiffs' Trial Exhibit No. 278 was admitted
23 into evidence.)

24 THE WITNESS: And I just want to point to the
25 description of this operation from that document one thing

1 that we can see and we've seen in court and we've seen from
2 some of the videos is the fact that the phone is actually
3 presenting the display on the Lapdock, and then, in addition
4 to the right side over there, it's indicating that if the
5 user wants to, for example, make the screen brighter, then
6 there's a couple of keys on here that need to be pressed.
7 There's a function key. Okay. And I think there's, like,
8 these little kind of stars that would indicate the
9 brightness. That's explained on the right side over there.

10 So if the user wants to make the screen
11 brighter, they'll enter that information on the keyboard,
12 and then it would go back to the previous diagram just
13 briefly.

14 That information from the keyboard goes through
15 the USB hub and the USB connector goes back to the central
16 processor within the handset, within the smartphone. And
17 the driver from the operating system will send back the
18 control information through the HDMI interface to make the
19 screen either brighter or darker, whatever the user
20 instructed.

21 Q. Now, before we move on to the next claim limitation,
22 why did Motorola's expert dispute your analysis of
23 limitation 1b?

24 A. Well, he'll have --

25 MR. HOLLOWAY: Your Honor, I'm going to object

1 to that. It assumes facts not in evidence.

2 THE COURT: Do you want to restate the question?

3 MR. ALBERTI: Okay.

4 BY MR. ALBERTI:

5 Q. Did Motorola's expert dispute your analysis of
6 limitation 1b?

7 A. Yes, he did.

8 Q. On what grounds?

9 MR. HOLLOWAY: Same objection, your Honor.

10 THE COURT: Well, the objection is overruled.

11 THE WITNESS: Oh, I'm sorry. I didn't hear.

12 THE COURT: You may answer the question.

13 THE WITNESS: Okay. Yes. In his report in the
14 deposition, he indicated that the scaler or possibly a
15 portion of the scaler was central processing unit.

16 BY MR. ALBERTI:

17 Q. Is a scaler a central processing unit?

18 A. No, it's not a central processing unit.

19 Q. Why not?

20 A. It's, it's a peripheral controller. It's not
21 performing the primary computational functions. Those are
22 back in the central processor of the AP20, in the handset
23 that's running the applications. It's, in fact, running a
24 lot of graphical calculations back there before the
25 information even comes over HDMI to the scaler.

1 In addition, as we've seen, the scaler itself,
2 the Lapdock, including the scaler, won't present any
3 information on the display to the user unless the handset is
4 attached. So it's really the handset and the central
5 processor, and the handset that has the control for the
6 circuits and for the display.

7 Q. What can a scaler do without the handset attached to
8 the Lapdock?

9 A. In the Lapdock, it can't do anything.

10 Q. And which of the Lapdock products did your analysis
11 apply to?

12 A. All of the accused Lapdock products.

13 Q. Now let's move on to the last limitation. That would
14 be limitation 1c. The docking display unit is fully
15 operable only when the detachable handset is docked thereto.

16 Did you find that the accused products satisfied
17 limitation 1c?

18 A. Yes, I did.

19 Q. And how is that?

20 A. Well, as we've kind of heard and seen, when the
21 docking, sorry. When the handset is not attached, then the
22 docking display unit or the Lapdock can't be used to display
23 anything on the screen, can't be used for input. But then
24 when the handset or the smartphone is attached, then the
25 docking display unit becomes operable.

1 You can see information displayed on the screen.

2 You can enter information from the keyboard. You can move
3 around, kind of a mouselike control for the trackpad.

4 Q. Did Mr. Barber's testimony inform your analysis?

5 A. Yes. I think he also clearly stated -- this is on
6 page 69 of his deposition. He was asked about limited
7 functionality when the phone is not connected, and he
8 described I think quite accurately, you can plug it in and
9 charge the battery. That's all you can do. He didn't say
10 it. I'm saying it. That's all he can do.

11 Q. Did you do any testing to confirm this?

12 A. Yes. I used all the Lapdock products in combination
13 with the compatible phones and they all exhibit this
14 behavior.

15 Q. Did Motorola's expert, Dr. Drabik, dispute limitation
16 1c is satisfied?

17 A. No, he did not dispute.

18 Q. Now, to summarize, did each of the different sets of
19 sets of accused products he tested satisfy all the
20 limitations of claim 1?

21 A. Yes. For claim 1, all the combinations of the accused
22 products did.

23 THE COURT: Is this a good time to take our
24 morning break?

25 MR. ALBERTI: Absolutely.

1 THE COURT: All right. Fifteen minutes, ladies
2 and gentlemen.

3 (The jury was excused for a short recess.)

4 THE COURT: All right. Fifteen minutes.

5 (Short recess taken.)

6 - - -

7 (Proceedings resumed after the short recess.)

8 THE COURT: Let's bring the jury in.

9 (The jury entered the courtroom and took their
10 seats in the box.)

11 THE COURT: You all may be seated and you may
12 proceed.

13 MR. ALBERTI: Thank you, your Honor.

14 BY MR. ALBERTI:

15 Q. So when we left off, we were talking about the
16 dependent claims of the Kumar patent. And let's take these
17 one at a time, starting with claim 8.

18 Did you find that the accused products satisfied
19 the limitations of claim 8 as well?

20 A. Yes. Claim 8 requires that the detachable handset
21 unit includes a connection for an external headphone, and
22 each of them has at the top of the phone, there's a place
23 where the headphone can connect in.

24 Q. Returning to the diagram we saw before in PTX-167,
25 page 8, can you identify where that is shown?

1 A. Yes. That's at the, kind of circled in red there. It
2 says a 3.5 millimeter. That's just the dimensions for the
3 particular headset connector. That's the headphone
4 connection.

5 Q. Which Motorola handsets did your analysis apply to?

6 A. It applies to all of them. I mean, it's clear when
7 you look at the top that there's the connector for the
8 headphone.

9 Q. Did Motorola's expert dispute the various handsets
10 included this headphone connector required by claim 8?

11 A. No, no dispute on that point.

12 Q. Let's turn now to claim 10. Claim 10 says, a device,
13 as set forth in claim 1, wherein said detachable handset
14 unit includes a Global Positioning System receiver.

15 First off, what is a Global Positioning System
16 receiver?

17 A. Sometimes known by just the first letters, GPS,
18 there's a collection of satellites that the government
19 operates that provide information that can be used. When
20 you have a receiver for the signals from those satellites,
21 that information can be used to determine the location on
22 the surface of the earth.

23 Q. Were you able to determine whether the Motorola
24 handsets you analyzed included GPS receiver?

25 A. Yes. Each of them includes a GPS receiver.

1 Q. How did you know that?

2 A. Well, there were a number of ways, including the
3 schematics, but I think over here -- I don't know. Is this
4 a new document or we've seen this one?

5 Q. We've seen this one before.

6 A. Okay. We've seen this one before. This is
7 explaining, what's kind of highlighted there is to say that
8 the capabilities of the Atrix 4G phone include aGPS,
9 assisted GPS, which does tell us that there's, in fact, GPS
10 capability in the GPS receiver in the phone.

11 Q. And you're referring to PTX-426?

12 A. Yes, PTX-426.

13 Q. If you take a look in your binder now, see if you can
14 find PTX-398 and PTX-143 and let me know if you recognize
15 those documents.

16 A. Okay. I've seen PTX-143. It looks like though it's a
17 training slide for, I believe it's the Atrix 2 NB865.

18 Q. And I'm sorry. What was the other number?

19 A. PTX-398. Yes. PTX-398 is the, kind of internal
20 planning document that is known as the dashboard from
21 Motorola, and that one lists, that is for the Electrified
22 phone.

23 MR. ALBERTI: Your Honor, we'd move to admit
24 PTX-398 and 143.

25 MR. HOLLOWAY: No objection, your Honor.

1 THE COURT: Thank you.

2 (Plaintiffs' Trial Exhibit No. 398 and 143 were
3 admitted into evidence.)

4 THE WITNESS: It's the excerpt from the document
5 PTX-398 that refers to Electrified also refers to Photon 4G.
6 It shows again there's this standalone GPS or assisted GPS,
7 so it means that there's a GPS receiver in there.

8 Similarly, there's a highlighted excerpt below from PTX-143
9 concerning the Atrix 2 phone that shows that it has GPS
10 capability, meaning there's a GPS receiver in there.

11 Q. Which of the Motorola phones did you determine
12 satisfies the additional GPS limitation of claim 10?

13 A. All of them do.

14 Q. Did Motorola's expert dispute this fact?

15 A. No, no dispute on claim 10.

16 Q. Moving on to claim 11, the device of claim 1, wherein
17 the docking display is configured as a clamshell unit with
18 first and second portions, having the said auxiliary display
19 in the first portion and auxiliary keyboard in the second
20 portion.

21 Were you able to determine whether the accused
22 Lapdock products satisfied this additional limitation of
23 claim 11?

24 A. Yes. They all do.

25 Q. And can you demonstrate probably the best way to show

1 how that is?

2 A. This is the Atrix 4G Lapdock and there's a hinge
3 towards the rear that allows this portion that has the
4 display to open up. The hinge that allows it to rotate like
5 that makes this what's called a clamshell. It's kind of
6 like in nature the way a clam might open and close.

7 And it says that there's first and second
8 portions. The display is in the first portion and the
9 keyboard is in the second portion.

10 Q. And did you find that to be the case for all of the
11 various Lapdocks you analyzed?

12 A. Yes.

13 Q. Did Motorola's expert dispute this fact?

14 A. No, no dispute on claim 11.

15 Q. Let's move on now to claim 13, which recites the
16 device of claim 11, wherein the docking display includes a
17 recessed portion in which the handset is docked, wherein the
18 handset when docked, is positioned on the back of one of the
19 portions of the clamshell unit.

20 Were you able to determine whether the Motorola
21 Lapdock product satisfied this additional limitation in
22 claim 13?

23 A. Yes, they do.

24 Q. And what did you rely on?

25 A. Well, one is just examination. Again, on the back of

1 one portion is -- I think the jury may have access to these
2 at some point, but there's this so-called recessed portion,
3 and this is where the Atrix 4G phone will dock. It's
4 sometimes a tight connection over there. And so just by
5 examination was one way to determine this.

6 Q. If we could refer back to PTX-281, which we've seen
7 before, how did that inform your opinion?

8 A. Yes. PTX-281, that was the, that was from the press
9 release, and it's explaining the users simply dock their
10 Motorola Atrix 4G into the back of the laptop dock. So this
11 is the description that Motorola presented.

12 Q. And which of the Lapdock products did your analysis of
13 claim 13 apply?

14 A. It applies to all of the Lapdock products.

15 Q. Now I want to switch topics again and talk about
16 whether Motorola by its own actions infringes the '462
17 patents, is sometimes called direct infringement. I think
18 we saw that in the video.

19 Did you form opinions as to direct infringement?

20 A. Yes. My opinion, Motorola directly infringes the
21 asserted claims of the '462 patent.

22 Q. In what ways does Motorola directly infringe?

23 A. Well, Motorola sold the accused products in the United
24 States. I believe that was covered by what we heard earlier
25 from Mr. Barber, and also the Motorola employees had used

1 and tested the accused Lapdocks and handsets in the United
2 States. And, again, I believe that was at least covered by
3 one of the, one or more of the excerpts from Mr. Barber's
4 testimony.

5 Q. All right. Who does Motorola sell these handsets and
6 Lapdocks to?

7 A. They sell them to what are sometimes called carrier
8 customers, and, again, Mr. Barber identified, I believe,
9 AT&T and Sprint as being two of the carrier customers, and
10 also to the end users. There's an online store through
11 which Motorola has sold these products.

12 Q. How did Mr. Barber's testimony inform your analysis?

13 A. Well, this particular portion from page 107, he was
14 referring to the fact that at the time of his deposition,
15 that Motorola still had Lapdock products in its inventory
16 and was continuing to sell those, indicating, for example,
17 that Verizon and AT&T.

18 Q. Are there any other carriers that Motorola sells
19 to?

20 A. Yes, there are. He indicates Verizon here, but, in
21 addition, there's U.S. Cellular that was the carrier for the
22 Electrify phone.

23 Q. Could you please go into your binder now and find
24 PTX-632.

25 A. Yes. I see that. That is a printout from the

1 Motorola store web page that I created from when I was
2 looking online.

3 MR. ALBERTI: Your Honor, we move to admit
4 PTX-632.

5 MR. HOLLOWAY: No objection, your Honor.

6 THE COURT: Thank you.

7 (Plaintiffs' Trial Exhibit No. 632 was admitted
8 into evidence.)

9 BY MR. ALBERTI:

10 Q. Can you explain how this printout from the Motorola
11 website supports your opinion?

12 A. Well, it's -- at the top, hopefully people can read,
13 it says Motorola Atrix 4G. It's for AT&T. That was the
14 carrier that used this phone. This price over there that is
15 offered for sale, and some of the highlights are that it has
16 the dual core technology that's referring to the central
17 processor within the AT20 and also that it has the WEBtop
18 application.

19 In addition, on the bottom left is shown the
20 Lapdock for Motorola Atrix 4G, also available for sale.

21 Q. What did you base your opinion on that Motorola's
22 employees actually used these products in the United
23 States?

24 A. Well, it's highlighted here from page 12 of
25 Mr. Barber's testimony. It's statements that he made. I

1 believe that we heard them earlier.

2 Q. And as far as testing, do you rely on any of
3 Mr. Barber's testimony with respect to that issue?

4 A. Yes. He was asked about whether it's common business
5 practice for Motorola to test its products before it shipped
6 them and he said absolutely. Completely standard in the
7 industry.

8 Q. Now I want to move on to a separate topic. This
9 relates to whether Motorola knowingly caused others to
10 infringe. This is sometimes referred to as an indirect
11 infringement.

12 Were you able to form any opinions with respect
13 to indirect infringement?

14 A. Yes. My opinion is that Motorola does indirectly
15 infringe the asserted claims of the '462 Kumar patent.

16 Q. And what forms of indirect infringement did you find?

17 A. There are two forms that I considered. One is known
18 as contributory infringement and the other is known as
19 inducing infringement.

20 Q. Now, with respect to contributory infringement, can
21 you summarize your opinions?

22 A. Yes. First of all, Motorola knew of the patent and
23 knew that its products would be used in an infringing way.
24 Well, let me go to the last one because I think my mind,
25 it's easier to start with that.

1 First of all, you have to show that it was
2 actually infringed, that someone, even if it wasn't Motorola
3 in the United States, used or sold or was otherwise
4 infringing, even if that person or so on was doing it
5 unintentionally.

6 And then if we go back to the middle one, it
7 talks about the Lapdocks are especially made or adapted for
8 use in a product that has, and it also has no substantial
9 noninfringing use.

10 Q. What does that mean to you, no substantial
11 noninfringing use?

12 A. It means that the product really has no value to a
13 user unless, except when it's used in a manner that
14 infringes the claim.

15 Q. Now, taking these one piece at a time, what did you
16 rely on to say that Motorola knew of the '462 patented
17 technology?

18 A. Well, I did rely on the number of pieces of evidence
19 that were, you know, made available. I believe we heard
20 Mr. Kumar testify and he had been deposed earlier that he
21 had made Motorola, or the a least representatives of
22 Motorola aware of the technology, I believe it was about
23 2004, and as well that he had provided a flyer, some
24 additional information after the patent was issued, and
25 specifically pointing to the fact that some of the

1 information he was presenting related to the '462 patent in
2 his name.

3 Q. Now, taking that one piece at a time, who at Motorola
4 did Mr. Kumar talk to about his invention in 2004?

5 A. Well, as we heard the testimony here earlier, he said
6 he spoke to, I believe it was some of the senior executives,
7 at least one senior executive, as well as a number of people
8 from the engineering teams that came in to hear his
9 presentation and were taking notes about that.

10 Q. All right. You can take a look in your binder at
11 PTX-326 and PTX-318 and let me know if you recognize those
12 documents.

13 A. Yes. PTX-326 is a, kind of lawyer talk, is a response
14 to a set of interrogatories. That just means lawyers ask
15 each other questions and give answers in sometimes a
16 long-winded way.

17 And the other one is -- what was the second
18 one?

19 Q. PTX-318.

20 A. Yes. And 318 I believe was an exhibit to that or
21 otherwise associated and it's the flyer. I believe it's the
22 flyer that Mr. Kumar described.

23 Q. How did those inform your opinion?

24 A. Well, from that information, I understand that
25 Motorola acknowledges that they were made aware of the

1 patent, I believe it was about October 2010, if my
2 recollection is correct. And also this particular flyer, I
3 don't know if we can -- oh, I don't know if it's admitted,
4 actually, before I talk about it.

5 Q. It has been admitted through Mr. Kumar.

6 A. It was admitted. Sorry.

7 Yes. This one is, I think it talks up at the
8 top, I will get to that in a moment. It talks about, you
9 know, connecting a smartphone to various devices. There's
10 actually, if you look at the -- I was going to jump actually
11 to figure, the second figure in there, I think, kind of
12 captures it.

13 It's showing there's a phone that's docked. In
14 this case, it's not docked at the back of the laptop like
15 interface, but this is showing the, you know, what we've
16 seen is that detachable handset and a portable display unit.
17 And then the portion highlighted at the bottom does indicate
18 that this was the, the information that he's disclosing is
19 related to the '462 patent, which had been issued in his
20 name by that time.

21 Q. Did you rely on any testimony from Motorola legal
22 department people?

23 A. Yes. I had read a deposition, I believe it was
24 Mr. Kowalski, someone from Motorola's legal department, that
25 did acknowledge that they had received information and

1 became aware of the patent, at least as of October 2010.

2 Q. Now let's talk about Motorola knowing that its
3 products would be used in an infringing way. Starting with
4 PTX-635 in your binder, if you can find that and let me know
5 if you recognize it.

6 A. Yes. This particular document also I located on
7 Motorola's website and it provides instructions. Customer
8 Help Website provides instructions. The title says, How do
9 I use the Lapdock?

10 MR. ALBERTI: Your Honor, we move to admit
11 PTX-635.

12 MR. HOLLOWAY: No objection, your Honor.

13 THE COURT: All right.

14 (Plaintiffs' Trial Exhibit No. 635 was admitted
15 into evidence

16 THE WITNESS: And the information on that web
17 page, you know, showed very specific directions to attach
18 the smartphone, one of the accused handsets to the
19 particular cable for this Lapdock and then to place the,
20 sorry, place the handset shown on the bottom into a cradle
21 that's in the back of the Lapdock.

22 So this is showing people how to use those
23 products in a way that infringes the patent.

24 BY MR. ALBERTI:

25 Q. What other types of documents did you rely on to show

1 that Motorola knows its products would be used in an
2 infringing way?

3 A. Okay. Yes. Sorry. There's -- this is PTX-281, which
4 was already introduced. Okay. The press release is again
5 informing people, simply dock the Motorola Atrix 4G in the
6 back of the laptop dock to turn it into an active connective
7 machine and so on.

8 So telling people how to use it, telling them
9 what would be the advantages of using the handset with the
10 Lapdock.

11 Q. Now let's move on to the second part of your
12 analysis.

13 You mentioned that the Lapdocks were especially
14 made for use in a product that infringes the patent. On
15 what do you base that?

16 A. Well, I think there are two pieces. One, we heard
17 from Mr. Barber that if you take the Lapdock on its own, you
18 can't do anything with it but charge. So it does need to
19 be, to be useful to have a handset attached, and there was
20 some information, I want to talk about authentication. I
21 don't know if that document was admitted already.

22 Q. PTX-217 has been admitted and a relevant portion is
23 shown on the slide.

24 A. Okay. PTX-217. This described over here something
25 that was called authentication. It's some communication

1 that happens between the phone and the Lapdock when it's
2 first attached that actually makes sure that the Lapdock
3 will only work with one of the compatible Motorola phones.

4 So in this way, you know, I don't see there's
5 any useful application for the Lapdock other than by
6 connecting it with a phone in an infringing manner.

7 Q. Moving on to Mr. Barber's testimony, can you explain
8 how that supported your opinion?

9 A. Yes. I mentioned I think just now, if the phone is
10 not attached, then the Lapdock is limited to charging.

11 Q. Now, who did you determine actually used the products
12 in an infringing way?

13 A. There was both the carrier customers identified, such
14 as AT&T as well as end users.

15 Q. Now let's move on to that second part of indirect
16 infringement, inducement.

17 Can you summarize your opinions with respect to
18 inducement?

19 A. Yes. In my opinion, Motorola does induce infringement
20 of the '462 Kumar patent.

21 Q. And why is that?

22 A. Well, a number of points listed here. Some of them
23 overlap with the last issue. We see that Motorola did know
24 of the '462 patent and had intended that it be used in a way
25 that infringes, and, in fact, that the products were sold or

1 used by Motorola's carrier customers and end users in the
2 U.S. Some advertising, at least that demonstrates to the
3 carrier customers.

4 And in terms of the users, actually located
5 plenty of videos online as well as a user's forum that
6 Motorola had sponsored online. And information on there
7 indicated that from the users that I looked to see where
8 they were located, they were all located in the U.S.

9 And, finally, there was very specific
10 instructions and encouragement for the users to attach the
11 smartphone to the Lapdock in such a way that it would
12 infringe. Some of the benefits on that as well as the
13 instructions on how to do that were provided by Motorola.

14 Q. If we go back to PTX-632, how did that support your
15 opinion on inducement?

16 A. This was the web page from the Motorola Store that I
17 talked about before and it is indicating in the same place
18 purchasing Motorola, Motorola Atrix 4G phone and the
19 Motorola for Atrix 4G laptop along with some bullet points
20 on what are the advantages.

21 Q. Can you take a look in your binder at PTX-556?

22 A. Yes. I see that. This is a, I believe it's a user's
23 manual for the Motorola Electrify phone.

24 MR. ALBERTI: Your Honor, we move to admit
25 PTX-556.

1 MR. HOLLOWAY: No objection, your Honor.

2 THE COURT: Thank you.

3 (Plaintiffs' Trial Exhibit No. 556 was admitted
4 into evidence.)

5 THE WITNESS: And I believe over there we can
6 see the very first page of that user guide, talking to the
7 users, congratulating them. And highlighted at the bottom
8 is a particular point that is encouraging the users to
9 connect their phone to a Lapdock, and, in particular, what
10 would be some of the advantages for accessing files, photos,
11 e-mails and so on.

12 BY MR. ALBERTI:

13 Q. And did you find similar instructions with respect to
14 other phones sold by Motorola? Specifically, the accused
15 handsets?

16 A. Yes. Similar instructions for each of the accused
17 handsets.

18 Q. Now I want to talk about the timing of this. With
19 respect to Motorola's knowledge of the patent, when did all
20 of these statements and encouragements and advertisements
21 occur?

22 A. All of those statements I was referring to occurred
23 after the product was introduced in January of 2011.

24 Q. And when would that be relative to Motorola knowing
25 about Mr. Kumar's technology?

1 A. Well, that would be after the various evidence we've
2 talked about that indicated when they had learned, at least
3 from Mr. Kumar, about the technology and later the '462
4 Kumar patent.

5 Q. And, finally, to conclude, what can somebody do with
6 one of these Lapdocks unless they have an accused handset
7 with a central processor?

8 A. Well, I think Mr. Barber said it succinctly and
9 completely accurately. He said that the Lapdock is a
10 peripheral device for the phone, and the only thing you can
11 do without the phone attached is to plug it in and charge
12 the battery.

13 MR. ALBERTI: Your Honor, I pass the witness.

14 THE COURT: All right. Cross-examination.

15 MR. HOLLOWAY: Your Honor, I have a notebook
16 that I would like to use. May I pass it to the witness?

17 THE COURT: Yes, you may.

18 (Mr. Holloway handed a notebook to the witness.)

19 THE WITNESS: Thank you.

20 CROSS-EXAMINATION

21 BY MR. HOLLOWAY:

22 Q. Good morning, Dr. Alpert. My name is Clay Holloway
23 and I represent Motorola Mobility. I don't think we've ever
24 met before, so it's nice to meet you.

25 A. Okay. Thank you, counselor. Good morning to you,

1 too.

2 Q. Good morning. I hate to be the last guy before lunch,
3 so I'm going to try to move quickly through my questions.

4 Okay?

5 A. Okay.

6 Q. You have worked in the past for IV evaluating patents;
7 is that correct?

8 A. Yes, I did some work for IV.

9 Q. And so working on the '462 patent, this is not your
10 first time working with Intellectual Ventures?

11 A. That's correct.

12 Q. In fact, you were involved in a pre-litigation
13 analysis that involved potentially asserting patents against
14 IBM?

15 A. I was involved in pre-litigation analysis. I think it
16 was potentially against IBM. I don't remember for sure at
17 the moment.

18 Q. And I'm correct, am I not, that before you started
19 working on this case, you don't believe you had ever seen
20 the '462 patent before?

21 A. That's correct.

22 Q. And you had never heard of Mr. Kumar before?

23 A. That's correct. I had not heard of him.

24 Q. Or Mr. Kumar's company, Khyber Technologies?

25 A. No, I hadn't heard of them.

1 Q. You had never heard of the barcode reader called a
2 Pocket Partner before?

3 A. No, I hadn't heard of that.

4 Q. And you never heard of the attachment you could put on
5 the Pocket Partner called a Pocket Dock before?

6 A. No, I hadn't heard of those.

7 Q. And currently, a hundred percent of the money that you
8 get from your consulting company comes from being expert
9 witnesses in cases like this; is that correct?

10 A. I work primarily as an expert witness. Some of them
11 are patent litigations, some other types of cases.
12 Occasionally, I'm able to obtain some other types of work,
13 such as due diligence with venture capital.

14 Q. But currently a hundred percent of the money that you
15 get from your consulting company currently comes from
16 working in litigation cases?

17 A. Last year, that's correct, yes.

18 Q. Now I want to talk about some of your opinions
19 regarding infringement. Okay?

20 A. Sure.

21 Q. A cellphone by itself doesn't infringe claim 1 of the
22 '462 patent; correct?

23 A. Correct, it does not infringe claim 1 by itself.

24 Q. And I could use a cellphone, one of the ones that you
25 have up there on the witness stand with you, I could use

1 one of those phones and never, ever dock it to a Lapdock;
2 right?

3 A. Yes.

4 Q. And a docking station by itself, like the Lapdock,
5 doesn't infringe claim 1 by itself either, does it?

6 A. Correct. By itself, it does not infringe.

7 Q. So taking the Atrix 4G, for example, for the Atrix 4G
8 and the Lapdock to infringe, I have to put them together; is
9 that right?

10 A. You have to have both of them or, as I understand,
11 just offering for sale the two of them would potentially be
12 infringing.

13 Q. But the claim is to a portable processing device that
14 has two components: A handset and a docking display unit,
15 and you put them together and that's how you get the
16 portable processing device; is that correct?

17 A. The portable processing device requires the handset
18 and the portable docking display unit, but, no, it does
19 not require that they be attached to meet the claim
20 limitation.

21 Q. How would it be fully operable if I don't ever attach
22 it?

23 A. Do we have the claim --

24 Q. I will get it for you.

25 A. -- available?

1 MR. HOLLOWAY: Your Honor, I've got a board with
2 the claim on it. May I put it between that witness and the
3 monitor that's over there on that stand?

4 THE COURT: Yes.

5 (Mr. Holloway placed a board on the easel.)

6 MR. HOLLOWAY: So everybody can see it.

7 BY MR. HOLLOWAY:

8 Q. Are you able to see that?

9 A. No, I'm not.

10 Q. That's what I'm asking.

11 A. Okay.

12 Q. Can you see it now?

13 A. Yes.

14 MR. HOLLOWAY: Can you guys see it pretty good?

15 BY MR. HOLLOWAY:

16 Q. So back to my question. To infringe all three parts
17 that we walked through before, I have to connect them.
18 Otherwise, it's not fully operable until they're connected;
19 is that right?

20 A. No, it's not correct that it would have to be
21 connected to infringe. In particular, the last element is
22 saying that it's fully operable only when the detachable
23 handset is docked therein, and I believe that the correct
24 interpretation for that is it has the capability to be
25 attached and to be fully operable, but it's not a method

1 claim. It doesn't require specifically that the user attach
2 them.

3 Q. So with the Lapdock specifically, that's what your
4 opinions are about is the Lapdock, let's take that, for
5 example.

6 When Mr. Alberti led you through your testimony
7 today, you spent a lot of time talking about how the Lapdock
8 doesn't do anything; right?

9 A. Well, a lot of points you made there. I would
10 disagree that Mr. Alberti led me through testimony. I mean,
11 he asked questions. I prepared some material. I will
12 stand by that with or without anything that Mr. Alberti
13 might say.

14 Q. The more important part of my question was, you talked
15 about how the Lapdock didn't do anything; right?

16 A. The Lapdock, without having the smartphone attached,
17 can only be charged.

18 Q. So it's your opinion that the Lapdock by itself is not
19 operable at all; right?

20 A. That the Lapdock -- it has no use for the user. You
21 can only charge it.

22 Q. So when the claim is talking about fully operable and
23 we're talking about a Lapdock for Atrix 4G and the Atrix 4G
24 phone, it's only the portable processing device that's fully
25 operable when connected when they're actually connected; is

1 that right?

2 A. I'm not sure I understand the question. When
3 they're --

4 Q. So --

5 A. When they're connected, the Lapdock will display
6 information on the screen and the keyboard can be used. I
7 don't know if that answered your question. I'm trying to.

8 Q. The claim is a portable processing device.

9 THE COURT: And I take it this isn't a matter of
10 claim construction that you are asking?

11 MR. HOLLOWAY: No, your Honor. It's an
12 infringement point.

13 THE COURT: I'm not so sure, but we'll talk
14 about it later.

15 MR. HOLLOWAY: Okay.

16 BY MR. HOLLOWAY:

17 Q. I will move on from that.

18 And you had a slide, did you not, during your
19 testimony that said the only issue is, does the Lapdock have
20 a central processor.

21 Do you recall that?

22 A. For claim 1, that's the only issue I'm aware of in
23 dispute.

24 Q. Okay. Before I move to that, let me ask you one other
25 question. You talked about the meetings that, the alleged

1 meetings that Mr. Kumar had with Motorola in 2004.

2 Do you recall that testimony?

3 A. Yes.

4 Q. All right. You have no personal knowledge of that
5 meeting?

6 A. No. Just what I've heard from Mr. Kumar.

7 Q. And you have no personal knowledge about the flyer and
8 how the flyer got to Motorola, do you?

9 A. No. Just what I heard from Mr. Kumar.

10 Q. So back to the question of the only issue is, does the
11 Lapdock have a central processor, there are other
12 limitations in the claim besides just the central processor;
13 is that correct?

14 A. Yes, there are.

15 Q. All right. And one of them is that the -- that the
16 central processor on the phone controls the operation of the
17 first circuits and the display on the Lapdock; is that
18 correct?

19 A. Let's see what it says. So it does say -- yes. It
20 says, the central processor controls operation of at least
21 one of the second circuits and the first display, yes.

22 Q. And, in fact, that was a point that Mr. Kumar
23 emphasized when he was applying for the patent that led to
24 the '462; correct?

25 A. You know, there were statements that were made that

1 related to, that were reported in the file history. This
2 is, as I recall, this was what the examiner came up with,
3 the final wording for this claim.

4 Q. Let's talk about that a little bit. You mentioned the
5 file history.

6 Were you here when the video was played to the
7 jury about the going through prosecution with the Patent
8 Office?

9 A. No, I wasn't present in the courtroom for that.

10 Q. Okay. So what's your understanding of what the file
11 history is?

12 A. The file history would be a record of the
13 correspondence between the applicant and the Patent Office
14 while the patent is being evaluated.

15 Q. Okay. Let's turn in your notebook to --

16 A. Is this the notebook that you provided?

17 Q. I'm sorry. The notebook that I gave you.

18 A. Okay.

19 Q. If you could turn in your notebook to JTX-5.

20 A. Yes, I'm there.

21 Q. Have you seen this before?

22 A. It -- I have. It looks like it's from the file
23 history.

24 MR. HOLLOWAY: Your Honor, Motorola moves to
25 admit JTX-5, which is the file history for the '462 patent.

1 MR. ALBERTI: No objection.

2 THE COURT: All right. Thank you.

3 (Joint Trial Exhibit No. 5 was admitted into
4 evidence.)

5 MR. HOLLOWAY: If I could pull up page --

6 BY MR. HOLLOWAY:

7 Q. I'm going to direct your attention, Dr. Alpert, to
8 page 56 of this. And when I say page 56, I'm talking
9 about the bottom right-hand corner, where it says
10 JTX-005.0056.

11 MR. HOLLOWAY: If we could have that on the
12 screen, please.

13 BY MR. HOLLOWAY:

14 Q. And I believe you testified a second ago that you
15 believed that the language that we just walked through about
16 the controlling the operation, that was something that the
17 examiner added to the claim; is that correct?

18 A. I would say to the best of my recollection, it was the
19 examiner that did come up with the final language that was
20 added. I don't remember all the history by heart.

21 Q. All right. And that language that was added, the
22 examiner said that that language was what he didn't find in
23 the prior art; is that correct?

24 A. Well, I'm just looking at the page you pointed me to
25 and there's a paragraph that says what the examiner didn't

1 find, and there are several items he lists here. One of
2 them is that particular phrase you pointed to.

3 MR. HOLLOWAY: If we could pull up under the
4 second paragraph, make that a little bigger, regarding
5 claim 1 paragraph.

6 BY MR. HOLLOWAY:

7 Q. Is this what you were pointing to, Dr. Alpert?

8 A. Yes.

9 Q. And it says that claim 1, regarding claim 1, the cited
10 prior art, either alone or in combination, fail to teach,
11 and then it lists some things; is that correct?

12 A. Yes.

13 Q. And one of them is, wherein said central processor
14 controls the operation of at least one of said circuits and
15 said first display.

16 Did I read that correctly?

17 A. Yes.

18 Q. Okay. Now, you and Mr. Alberti spent some time
19 talking about the detachable handset this morning.

20 Do you recall that?

21 A. Yes.

22 Q. Okay. And if you look at the term detachable handset
23 I have highlighted up there, that's talking about the first
24 element of the claim, what you were calling element 1a; is
25 that correct?

1 A. Yes, that's part of element 1a.

2 Q. And it has some requirements, one of them being that
3 it include a central processor?

4 A. That's correct, yes.

5 Q. And then the first circuits; is that correct?

6 A. Yes. Those are requirements of element 1a.

7 Q. And then those circuits have three interfaces, a video
8 interface, a communication interface and a data input
9 interface?

10 A. Yes. That's a requirement of element 1a.

11 Q. Okay. Does anything in element 1a of claim 1 require
12 that the detachable handset be operable?

13 A. I believe that a person of skill in the art that would
14 be reading this claim in the context of the patent would
15 understand that, in fact, a handset is operable. It's
16 functional for a user.

17 Q. Do you see the word "operable" in claim 1?

18 A. Well, again, the claim would be interpreted --

19 Q. Dr. Alpert, do you see the word "operable" in element
20 1a of claim 1?

21 A. No, I don't see that it's in the claim language
22 itself.

23 Q. And --

24 THE COURT: And, again, I'm confused about where
25 this is going, so if we're going down this path, I might

1 need to understand it better. We might need to take a short
2 break.

3 All right. Ladies and gentlemen, we're going to
4 just take a short break.

5 (The jury was excused for a short recess.)

6 THE COURT: And I will have our witness step
7 outside the courtroom. And everyone else can be seated.

8 (The witness was excused from the courtroom.)

9 THE COURT: So this sounds like a claim
10 construction issue. Now, it could be that it's not, but it
11 sounds like it's something that is a claim construction
12 issue, and before we go down this path, I need to understand
13 where you're going to make sure you are not overstepping the
14 boundaries.

15 MR. HOLLOWAY: Absolutely, and I've tried to
16 keep my questions to avoid to make it seem like we're
17 arguing claim construction, because from Motorola's
18 perspective, we're not.

19 The question is whether the term "operable"
20 appears in element 1a of the claim. IV proposed a
21 construction of detachable handset unit that required it to
22 be operable and to be a phone and your Honor rejected both
23 parts of that.

24 We heard in opening and in Mr. Alberti's direct
25 that the handset unit has to do something. They even tried

1 to distinguish it over the prior art at the very beginning
2 by saying it just sits on the table as a doorstop.

3 So we're in a position where the jury has now
4 heard that detachable handset unit has to be operable and
5 this is the first time I get to address that. And the next
6 time I would get to be able to address it is when I put my
7 invalidity expert on the stand and say, does a detachable
8 handset have to be operable?

9 And I'm going to put the language detachable
10 handset unit that your Honor gave us in front of the witness
11 and ask the same question: Does it say it has to be
12 operable? That's my only point I'm trying to make and I
13 will move on from there.

14 THE COURT: All right. Anything from --

15 MR. ALBERTI: Your Honor, I'm not sure what this
16 has to do with infringement. Is Motorola going to argue
17 that its handsets are not operable, point one?

18 Point two, while your Honor did construe
19 detachable handset, there are a whole lot of other words in
20 that claim that Dr. Alpert spoke about and how one of
21 ordinary skill in the art would understand, when you have
22 something like this with a central processor controlling
23 multiple interfaces to do multiple things, it is a usable
24 device. It's not a paperweight.

25 And if he wants to ask Dr. Alpert about opinions

1 with respect to those other terms and why it's operable, I
2 guess I don't have a problem, but this is validity. I don't
3 think this has anything to do with infringement because
4 nobody is disputing that Motorola's handsets are operable.
5 They do things.

6 MR. HOLLOWAY: May I address that, your Honor?

7 THE COURT: Yes.

8 MR. HOLLOWAY: Mr. Alberti is essentially asking
9 me to open the door under your Honor's claim construction.
10 I'm not the one that did that. Ms. Day and Mr. Alberti had
11 the witness testify that the handset unit is operable and
12 your Honor rejected that construction. This is the
13 back-door claim construction.

14 THE COURT: Well, so you're telling me that
15 your noninfringement argument is that you have operable
16 phones?

17 MR. HOLLOWAY: No, your Honor, but the next time
18 I get to address this is in three or four days, after the
19 jury has heard that it's operable for --

20 THE COURT: Well, no. You're missing my point.
21 I mean, I should have my claim construction here. I don't.
22 And trust me, I've done about 12 other since then. But if
23 your infringement argument does not depend on this point and
24 this is an infringement expert, then this is an
25 inappropriate time for you to address it. This is just the

1 way it goes.

2 If this is a validity argument, you save it for
3 validity. You don't insert it into an infringement
4 argument.

5 MR. HOLLOWAY: That's fine, your Honor.

6 THE COURT: All right. And by the time I see
7 you on Monday, I will make sure I have my claim construction
8 here so I can refresh my recollection what I've done in this
9 case.

10 All right. Let's bring our jurors in.

11 (The jury entered the courtroom and took their
12 seats in the box.)

13 THE COURT: All right. Everyone may be seated.
14 You may continue.

15 MR. HOLLOWAY: Thank you, your Honor.

16 BY MR. HOLLOWAY:

17 Q. Dr. Alpert, we were talking about the detachable
18 handset unit. I want to switch more to the portable docking
19 unit. Okay?

20 A. Sure.

21 Q. And I want to put up on the board PTX-217, which is a
22 document that you spent some time talking about, so if we
23 could have that up. And if we could call out the top box of
24 the whole thing. Yes.

25 And I believe you showed the jury a block

1 diagram that came out of PTX-217; is that correct?

2 A. Yes. I believe that was from this document.

3 Q. Okay. If we look at the revision date, that's

4 May 10th, 2010; is that correct?

5 A. Yes.

6 Q. And this is the method spec for the Lapdock for Atrix
7 4G; is that correct?

8 A. Yes.

9 Q. Okay. And if we look beneath that, we'll see revision
10 number T1 and T2.

11 Do you see that?

12 A. Yes.

13 Q. And that's kind of the notation for which revision
14 this is?

15 A. I would expect so. Similar documents I've seen.

16 Q. Okay. And if we look across from T2, that's the one
17 that this is. This T2; is that correct? PTX-217?

18 A. Yes. It says issue T2 on there. I assume that
19 indicates that it's -- what would be the last version that's
20 identified.

21 Q. Okay. If we go to the revision T2 line and go all the
22 way to the changes, it says, updated prior to design
23 meeting, doesn't it?

24 A. Yes, it says that.

25 Q. All right. Do you know if this was the last revision

1 for the Lapdock for Atrix 4G?

2 A. This was the last one that was made available for this
3 litigation. I don't know if there were later ones.

4 Q. This is the last one that you were given?

5 A. This is the last one that I've seen, yes.

6 Q. Let's go to page .008 of this. Sorry. Yes.

7 MR. HOLLOWAY: And if you could call out the one
8 that says, the paragraph above 7.8 that starts with the
9 Lapdock must, could you call that out, please?

10 THE WITNESS: Yes. It says, the Lapdock must
11 include a brightness control device.

12 BY MR. HOLLOWAY:

13 Q. So the Lapdock must include a brightness control
14 device. That's what it says?

15 A. Yes.

16 Q. All right. If we could go in this document to page --
17 sorry. If we could go in this document to page 9 and blow
18 up the block diagram.

19 This was the block diagram you walked the jury
20 through; is that correct?

21 A. Yes, it is.

22 Q. This was the only block diagram from the Lapdock you
23 walked the jury through; correct?

24 A. That's the only one that was presented in evidence,
25 yes. There were other block diagrams I referred to for the

1 other Lapdock products.

2 Q. Okay. If I could have you turn in your binder to
3 DTX-113.

4 A. Oh, wait. That's the binder you provided me?

5 Q. Yes. The white binder that I gave you.

6 A. I'm sorry. I normally have this on the computer and I
7 try not to deal with so many pieces of paper, but you had
8 asked me --

9 Q. DTX-118.

10 A. You said 118 or 113?

11 Q. 118. I'm sorry. 113. You're right.

12 A. Okay. I don't see a 118 in here.

13 Q. Yes. I need my glasses today.

14 A. Okay.

15 Q. Okay. Now, if we look at the first page of this, this
16 is entitled "Attached."

17 Do you see that?

18 A. Yes.

19 Q. Okay. And I believe you testified earlier that you
20 understood Attached to be the internal Motorola name for the
21 Lapdock for Atrix 4G?

22 A. Yes.

23 Q. And if you look at the second line under revision T2
24 and go across, it says, updated prior to design meeting;
25 correct?

1 A. Yes.

2 Q. And that would be the revision that you were talking
3 about that I just had on the screen; is that correct?

4 A. Yes.

5 Q. And I believe you testified that you would understand
6 that these revision numbers in the left-hand column, based
7 on your experience, indicate that there are subsequent
8 revisions to a specification; correct?

9 A. Yes, that's my understanding.

10 Q. Okay.

11 MR. HOLLOWAY: Your Honor, at this time Motorola
12 moves DTX-113 into evidence.

13 MR. ALBERTI: No objection.

14 THE COURT: Thank you.

15 (Defendant's Trial Exhibit No. 113 was admitted
16 into evidence

17 MR. HOLLOWAY: If we could put the cover up,
18 please, page 1, and blow up that box that says T1 through
19 T4.

20 BY MR. HOLLOWAY:

21 Q. I wanted to talk through that foundation, but let's
22 explain to the jury what we just talked about.

23 In that left-hand column you see revision T2 and
24 if you go across, it says, updated prior to design meeting;
25 is that correct?

1 A. Yes.

2 Q. Okay. And that's the document that you walked the
3 jury through with that block diagram; correct?

4 A. Yes. The block diagram came from that version.

5 Q. Okay. And we see, on this one we see, don't we, that
6 there's a T3 and a T4 revision; is that correct?

7 A. That's what it's showing, yes.

8 Q. Okay. And if we look at the T4 revision and we go to
9 the third column, we see that's September 11, 2010; is that
10 correct?

11 A. Yes.

12 Q. And if we go back to that middle line, you see issue
13 T4 and that indicates this document is discussing the T4
14 revision, which was September 11, 2010; is that correct?

15 A. That would be my understanding of the document.

16 Q. Okay. I'd like you to turn in this one to page 10.

17 MR. HOLLOWAY: And if we can put that block
18 diagram up on the screen. If we could blow that up, please.
19 Thank you.

20 BY MR. HOLLOWAY:

21 Q. And I believe in the diagram that you were showing the
22 jury from T2, you talked about how there were, there were
23 the -- a separate system that involved a USB hub and a
24 different part of the separate system that was the scaler;
25 is that correct?

1 A. Yes.

2 Q. And I believe your testimony with Mr. Alberti is that
3 they are not connected. Did I understand that correctly?

4 A. That they're independent subsystems, yes.

5 Q. Okay. So if we go in this document, and let me ask
6 you another question. Do you understand the version I just
7 showed you is T4 to be in the material and method spec for
8 the final Atrix 4G laptop Lapdock?

9 A. I don't know if that's correct or not.

10 Q. You don't know?

11 A. No, I don't know if it's the final one.

12 Q. Who would know, who would know in that case?

13 A. I don't know. I wouldn't know.

14 Q. Did we see who the author was on the front of this?

15 Let's go back to page 1.

16 Do you understand that under the name column,
17 that's the author of this document?

18 A. It is the person responsible for it. I don't know if
19 it meant it was the author.

20 Q. And Jim Barber is the person responsible for this
21 document for the T4 revision?

22 A. Yes, that's what it says here.

23 Q. He's also the person responsible for the T2 revision?

24 A. Yes.

25 Q. Let's go back to page 10, block diagram, please.

1 And I want to point to something with my laser
2 pointer here, down here at the bottom that says scaler
3 Realtek. Do you understand that to be the scaler that would
4 be the scaler for the video scaler?

5 A. Yes.

6 Q. And if we look up here, I'm going to highlight
7 something else on the far right. It says keyboard.

8 Do you see that?

9 A. Yes.

10 Q. Okay. And the keyboard is connected to something
11 called Holtek.

12 Do you see that?

13 A. Yes.

14 Q. Okay. And the Holtek device, you understand that to
15 be the keyboard controller?

16 A. I don't recall what that device was.

17 Q. Okay. Let's go to page six of this document, please.
18 Page six, please. If we can bring up that chart.

19 Do you understand what this table is in document
20 PTX-113?

21 A. Yes, I believe so.

22 Q. What is this table?

23 A. Well, it's summarizing what would be certain of the
24 components that were used in a Lapdock.

25 Q. Not certain components. The critical components; is

1 that correct?

2 A. It does say critical components list, yes.

3 Q. And if we look at the top entry, it says USB KB
4 controller, vendor Holtek and then gives a part number.

5 Did I read that correctly?

6 A. Yes.

7 Q. Does KB stand for keyboard controller?

8 A. Yes, I believe in this context, it would.

9 Q. Let's go back to page 10, our block diagram, please.

10 So the keyboard over here on the right
11 (indicating) is connected to this Holtek keyboard
12 controller; is that correct?

13 A. Yes.

14 Q. And the keyboard controller is connected to the scaler
15 via this GPIO controller; is that correct?

16 A. Yes, that's what the block diagram shows.

17 Q. Okay. So in this version, this later version of the
18 material and method spec, the keyboard and the scaler are
19 connected via the Holtek keyboard controller; is that
20 correct?

21 A. It does indicate that there's certain signals that
22 connect them, yes.

23 Q. I'd like to go back to the chart on page 6, please.
24 And you spent some time with Mr. Alberti talking about the
25 video scaler and I already asked you if it was the, if

1 the vendor was Realtek. Did I read that correctly on the
2 table?

3 A. Yes.

4 Q. Okay. And the scaler in the Lapdock sits between the
5 HDMI connector and the display; is that correct?

6 A. Yes, that's where it's positions.

7 Q. All right. And the HDMI connector is where the HDMI
8 signal comes out of the phone and goes into the Lapdock;
9 correct?

10 A. Well, there's a number of signals there. It's a
11 collection of signals, HDMI.

12 Q. So let me ask my question again. So the HDMI
13 connector is where the HDMI signal comes out of the phone
14 and goes into the Lapdock; is that correct?

15 A. Yes. And multiple signals are part of that.

16 Q. All right. What you mean by that is the HDMI signal
17 composes multiple parts, is made up of multiple different
18 signals?

19 A. Yes.

20 Q. All right. If we can go to page 8 of this document
21 again. And I want to blow up Section 7.6.

22 And you read -- I will just read it. I'm sorry.
23 The second sentence says, the video portion of the HDMI
24 signal will be converted to LVDS for the Lapdock's display.

25 Did I read that correctly?

1 A. Yes, that's correct. That's the function it performs.

2 Q. And the LVDS signal is different from the video part
3 of the HDMI signal; is that correct?

4 A. It's a different signal. Yes.

5 Q. It's a different signal. Thank you.

6 If we can bring up Section 7.7, please. And
7 Section 7.7 talks about some of the required characteristics
8 about the LCD display; is that correct?

9 A. Yes. That's what this section of the specification
10 covers, yes.

11 Q. All right. And when it says LCD display, that's not
12 the part on the phone. That's the part on the Lapdock; is
13 that correct?

14 A. Yes. This is referring to the Lapdock.

15 Q. So will it offend you if I call it the Lapdock display
16 instead of LCD display?

17 A. I think I can deal with that.

18 Q. So it lists various characteristics, one of which is
19 resolution.

20 Do you see that?

21 A. Yes.

22 Q. All right. Another one is brightness.

23 Do you see that?

24 A. Yes.

25 Q. Okay. Another one is display colors.

1 Do you see that?

2 A. Yes.

3 Q. Okay. All of those are requirements of the Lapdock
4 display; is that correct?

5 A. That's my understanding of the, what's written here,
6 yes.

7 Q. All right. Also a requirement of the Lapdock display
8 is that it include a brightness control device so the user
9 can adjust the brightness level of the display.

10 Did I read that correctly?

11 A. Yes.

12 Q. I think you demonstrated that with the Atrix 4G. You
13 plugged it in and you showed the jury how you can make it
14 brighter and dimmer; right?

15 A. Yes. It wasn't actually operating, but I went through
16 the motions.

17 Q. Oh. Well, let's do that. So I'm going to hand you
18 what is marked as DTX-243 and DTX-239, and this is a Lapdock
19 100 and a Photon 4G and move these into evidence.

20 MR. ALBERTI: No objection, your Honor.

21 THE COURT: All right.

22 (Defendant's Trial Exhibit No. 243 and 239 were
23 admitted into evidence.)

24 (Mr. Holloway handed exhibits to the witness.)

25 BY MR. HOLLOWAY:

1 Q. So, Dr. Alpert, I am going to ask you to turn those
2 on, if you could.

3 A. Okay. I've got the phone on, and if I open the
4 Lapdock, it's supposed to turn on, which it appears to have.
5 It's showing the kind of Motorola batwing logo.

6 Q. All right. Now, I believe there's a series of
7 keystrokes that you can hit to make the screen get brighter
8 and dimmer.

9 Do you see those?

10 A. On this particular one, I see some, it looks like
11 different sized asterisks or kind of snowflakes. I don't
12 remember if the that was the one. We have the user guide.
13 I can check.

14 Q. So in all your work at Intel, did you work with
15 computers actually working them or did you just design
16 chips?

17 A. I worked extensively with computers every day.

18 Q. Okay. Have you ever adjusted the brightness on your
19 screen?

20 A. Yes, occasionally.

21 Q. Okay. And the symbol for that is usually a smaller
22 sun next to a bigger sun sometimes?

23 A. Lots of different symbols. Lots of different ways of
24 activating them.

25 Q. Okay.

1 A. You know, if you have a specific question about this,
2 I will be happy to answer.

3 Q. I was hoping if you wouldn't mind for me demonstrating
4 for the jury how you make the screen brighter and dimmer.

5 A. Well, I don't have the user guide, but possibly
6 without the function key in this one -- I don't know if it
7 needs the function key -- it's possible to press one of the
8 keys and make the screen brighter and dimmer.

9 Q. Could you do me a favor and make it as dim as it goes?
10 Could you show that to the jury, please?

11 A. Sure.

12 Q. Thank you.

13 Now could you do me a favor and make it as
14 bright as it goes? Thank you very much. You did that with
15 the keyboard on the Lapdock; correct?

16 A. Yes.

17 Q. You can put that down.

18 MR. HOLLOWAY: You can take those down, too,
19 please.

20 BY MR. HOLLOWAY:

21 Q. During your direct examination, you played a video
22 clip from CES January 2011.

23 Do you recall that?

24 A. There might have been two. I don't know if -- which
25 one you are referring to.

1 Q. Fair enough. Good point. I'm talking about the one
2 with Seang Chau.

3 Do you recall that one?

4 A. Yes.

5 Q. And that was the one where he was standing at the
6 podium and he got all excited at the Lapdock and almost
7 forgot his words and then walked out from behind the podium.

8 Do you recall that?

9 A. He gave some words. I will let you characterize what,
10 you know, the other aspects of his presentation.

11 Q. So you just focused on the words? In his speech, you
12 were just focused on the words?

13 A. That was the most informative part.

14 Q. The most informative part were the words where he
15 said, there's no processing in the Lapdock; is that correct?

16 A. Can we -- can we see the -- the quotation again?

17 Q. Well, let me ask you this way: Do you recall focusing
18 him saying that there's no processing in the Lapdock?

19 A. Something of that sort. I don't remember the exact
20 words.

21 Q. But you know that's not true, that the Lapdock doesn't
22 do any processing; right?

23 A. I believe he's telling us that the processing that
24 he's concerned with is done in the handset.

25 Q. The processing he's concerned with. Did I hear your

1 testimony just then correctly?

2 A. Yes.

3 Q. Okay. That's different than saying there's no
4 processing in the Lapdock; right?

5 A. Literally, yes, that's true.

6 Q. Okay. And you don't dispute that the scalers in the
7 Lapdock have a processor, do you?

8 A. I've seen one data sheet that Dr. Drabik provided. I
9 don't know if that -- it wasn't for the Realtek. I don't
10 know what's in the Realtek scaler.

11 Q. I'm going to ask you again: You do not dispute that
12 the scalers in the Lapdock have a processor, do you?

13 A. I would dispute that, yes.

14 Q. Okay.

15 A. Dispute it, not that I have knowledge otherwise, but I
16 have not seen information about the Realtek scaler.

17 Q. Do you recall giving your deposition in this case?

18 A. Yes.

19 Q. Okay. And it wasn't me that took your deposition, it
20 was my partner, Mr. Moore; is that correct?

21 A. Yes.

22 Q. Okay. I'd like you to turn in your binder to your
23 deposition. It should be the first thing. I will let you
24 tell me when you are there.

25 A. Okay.

1 Q. Okay. And the cover of your deposition says that it
2 was taken on Wednesday, June 26th, 2013.

3 Do you see that?

4 A. Yes.

5 Q. And do you recall there was a court reporter at your
6 deposition?

7 A. Yes. Generally.

8 Q. And you took an oath just like you took today?

9 A. Yes.

10 Q. All right. I'd like you to turn in your deposition to
11 page 90. And looking at line 23:

12 "Would you expect that the integrated circuit
13 packet would also have a processor on it?

14 "Answer: I don't know if this one has a
15 processor.

16 "You don't know one way or the other?

17 "Answer: I don't know."

18 Did I read that correctly?

19 A. Yes.

20 Q. And you would agree that when the scaler receives an
21 HDMI signal and turns it into LVDS format, processing is
22 what makes that happen through an image processing
23 operation; is that correct?

24 A. I believe that's what I said over here and that's
25 correct, there's image processing that does occur in the

1 Lapdock as well as a substantially larger amount that
2 happens within the phone.

3 Q. And you don't know whether the HDMI video would
4 display on the LCD if there was no scaler, do you?

5 A. I'm not aware of any way that it could, but I'm not
6 certain whether, one way or another whether it would be able
7 to.

8 Q. And were you here for the opening statements in this
9 case that Ms. Day presented?

10 A. Yes.

11 Q. All right. And you watched her take the lap -- the
12 Atrix 4G out of the Lapdock and the screen went dark? You
13 saw that?

14 A. I don't remember for sure what she showed.

15 Q. Okay.

16 A. I've done that myself, though.

17 Q. If I had an Atrix 4G in my Lapdock and it was turned
18 on and then I removed the video scaler, the same thing would
19 happen, wouldn't it?

20 A. I don't know.

21 Q. Okay. Let's go to -- I will ask you to turn in your
22 notebook to DTX-8, please.

23 A. Okay. I can see if I have the correct document. It's
24 the Lapdock 2 standard specification?

25 Q. That's correct. And the revision date is

1 November 22nd, 2011; is that correct?

2 A. That's what I see here, yes.

3 Q. And you see revisions A through E listed on the left
4 side?

5 A. Yes.

6 Q. Again, this is the same kind of technical document
7 that we talked about earlier, where you would expect the
8 revisions to be called out in that left-hand column?

9 A. Yes. That's what I would expect --

10 Q. Okay.

11 A. -- from my experience.

12 Q. And have you looked at this specific document before?

13 A. You know, I've looked at lots of documents. I could
14 check in my report. I believe there's an appendix that
15 listed all the documents that I considered. In fact, I
16 think it's quite possible that the later Lapdock, Lapdock
17 spec that didn't have the colorful figure, I may have
18 referred to as well.

19 Q. Okay.

20 A. Is that something you want me to do?

21 Q. No, no. I'm just trying to make sure we all know what
22 the document is so I can do the following.

23 MR. HOLLOWAY: We'd like to move DTX-008 into
24 evidence, please.

25 THE COURT: Any objection?

Alpert - cross

1 MR. ALBERTI: No objection, your Honor.

2 THE COURT: Thank you.

3 (Defendant's Trial Exhibit No. 008 was admitted
4 into evidence.)

5 MR. HOLLOWAY: If we could put the cover page up
6 for this. Again, call out that top block so we can walk the
7 jury through what we just talked about.

8 BY MR. HOLLOWAY:

9 Q. This is the Lapdock 2.0 material standard and method
10 spec; is that correct?

11 A. Yes.

12 Q. And this is the Lapdock 100, as it's called in the
13 market?

14 A. Yes.

15 Q. And if you look at this, you'll see that there are
16 five revisions that go up to November 22nd, 2011?

17 Do you see that?

18 A. Yes. I think that's clear from the document.

19 Q. Okay. And this is the material and method spec for
20 the Lapdock 100 that you just showed to the jury when we
21 adjusted the brightness; is that correct?

22 A. Yes, that's the Lapdock 100.

23 Q. Okay. And I want to turn to page 15 of this document,
24 if we can blow that up. Thank you.

25 And this is the block diagram for the Lapdock

1 100; is that correct?

2 A. Yes, it is.

3 Q. Now I want to walk through a couple of things here.

4 On this bottom left-hand corner, I've got the HDMI input; is
5 that correct?

6 A. Yes. We can see there, there are multiple signals
7 over there, including the bottom one, which is the data
8 display channel that I mentioned. Sorry. Display data
9 channel that I mentioned.

10 Q. All right. And this is where the HDMI signal comes
11 into the Lapdock; is that correct?

12 A. Yes, that's correct, through that connector.

13 Q. Okay. It then goes to a box that has been handwritten
14 and labeled scaler.

15 Do you see that?

16 A. Yes.

17 Q. Do you understand that that is the display scaler or
18 the video scaler we talked about?

19 A. That's what I'd expect it to be, and as I recall,
20 Mr. Barber represented.

21 Q. Okay. And then it goes on. You see these various
22 signals that go out to the LCD panel and that's the Lapdock
23 display; is that correct?

24 A. That is the Lapdock display. It's going out there,
25 yes.

1 Q. Okay. And if we go up to the top left-hand part of it
2 and second block down, you'll see a keyboard.

3 Do you see that?

4 A. Can you point to which one?

5 Q. Yes.

6 A. Keyboard is on the left side. Yes.

7 Q. Sorry if I said right.

8 A. I don't remember what you said. I expected it on the
9 right.

10 Q. And then in between the keyboard and the scaler is
11 this big block with this really long name that starts with
12 MSP.

13 Do you see that?

14 A. Yes.

15 Q. Do you know what the MSP is?

16 A. That is a component from Texas Instruments.

17 Q. Okay. And did you look somewhere in this document to
18 decide what that was?

19 A. Yes. I want to make sure that I was recalling
20 correctly, and I guess it's on, I don't know. DTX -- the
21 last digits are 8, even though the -- the page number on the
22 document itself is 32.

23 Q. All right. Let's look at what I think you are looking
24 at and make sure.

25 MR. HOLLOWAY: If we could have page 8 and call

1 up the Table 4. Thank you.

2 BY MR. HOLLOWAY:

3 Q. And you were looking at that. If you go down the
4 third line and go under "vendor partner," you'll see MSP?

5 Do you see that?

6 A. Yes.

7 Q. If you go over one, you see the vendor was TI, and you
8 said that was Texas Instruments?

9 A. Yes, that would be Texas Instruments.

10 Q. What's that function called?

11 A. It's called a microprocessor.

12 Q. Okay. So let's go back to block diagram on page 15.
13 So, again, we see a keyboard in the Lapdock 1 husband. We
14 see a keyboard connected to a microprocessor connected to
15 the scaler; is that correct?

16 A. Can you -- can you just walk me through one step at a
17 time?

18 Q. A keyboard connected to a microprocessor; is that
19 correct?

20 A. Correct.

21 Q. Microprocessor connected to a scaler; is that correct?

22 A. There is a -- yes, there is a connection shown there.

23 Q. And you demonstrated for the jury how you can use the
24 keyboard to adjust the brightness on the Lapdock 100;
25 correct?

1 A. Yes. And that's done through the WEBtop software on
2 the phone.

3 Q. It's done through the WEBtop software on the phone?

4 A. Yes.

5 Q. Where is that shown on this diagram?

6 A. It's not shown there. There's other requirements
7 documents that explain that clearly.

8 Q. And you talked about those requirements documents on
9 direct?

10 A. No. There's a limited amount of time to talk about
11 different documents. If you want, I can talk about it now.

12 Q. Do you know if Motorola is even making the Lapdock
13 anymore?

14 A. No, I don't know.

15 Q. And I just want to go over one thing. You said you
16 looked at thousands and thousands of pages of technical
17 documents about the Lapdock; is that correct?

18 A. I said I considered them, yes.

19 Q. Okay. And you displayed one figure of block diagrams
20 when you walked through; correct?

21 A. I recall the one colorful figure. I don't know if
22 there were any others.

23 Q. Do you recall showing any others from the technical
24 specification documents about the Lapdock itself?

25 A. No. I don't recall using other figures.

Alpert - redirect

1 MR. HOLLOWAY: Pass the witness.

2 THE COURT: All right. Redirect.

3 REDIRECT EXAMINATION

4 BY MR. ALBERTI:

5 Q. Can we go to DTX-113? DTX.

6 Do you remember this document Mr. Holloway was
7 walking you through?

8 A. I kind of backed off when you said you were leading
9 me, so I'm not going to attribute his leading me. But I do
10 remember discussing it.

11 Q. And this is a specification for one of the Lapdock
12 products; true?

13 A. Yes. It says it's for Attach, so that would be the
14 first Lapdock for Atrix 4G.

15 MR. ALBERTI: And if we could go to DTX-113,
16 page 8. Blow up 7.7, please.

17 BY MR. ALBERTI:

18 Q. Can you read the last sentence here in 7.7, the
19 section Mr. Holloway was asking you about?

20 A. Yes. It says, the screen saver mode for the display
21 will be controlled by the handset.

22 Q. How does that inform your opinion with respect to what
23 actually controls the display on these devices?

24 A. Well, I think it -- this statement is at least one
25 example of how it's the central processor in the handset

Alpert - redirect

1 that controls the peripheral devices of the Lapdock.

2 MR. ALBERTI: I have no further questions.

3 THE COURT: All right. You may step down, sir.

4 Thank you very much.

5 (Witness excused.)

6 MS. DAY: Your Honor, we're prepared to call our
7 next witness, although my understanding is we're ending
8 today at 12:30, so with the Court's permission, perhaps we
9 end a few minutes early today.

10 THE COURT: Only if you want to eat the ten
11 minutes. It's up to you.

12 (Pause while counsel conferred.)

13 MS. DAY: Your Honor, we'll eat the time.

14 THE COURT: All right. Ladies and gentlemen,
15 you get an early out today. I will just remind you that
16 during the weekend recess, you are not to discuss the case
17 among yourselves or with anyone else. Don't read or listen
18 to anything touching on the case. Don't perform any
19 independent investigation.

20 Have a safe trip home, a pleasant weekend.

21 We'll see you Monday at 9:00. Thank you very much.

22 (The jury was excused.)

23 THE COURT: You all may be seated. I do have
24 afternoon proceedings, so you'll have to clear the tables.
25 We're working on jury instructions. We'll get them to you

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1 no later than Thursday. I am hoping we'll have a charge
2 conference at 8:00 o'clock on Friday morning, next Friday,
3 obviously. That's the only -- those are the only things I
4 can think of at the moment.

5 Is there anything that we can helpfully discuss
6 yet this afternoon? Anything from IV?

7 MS. DAY: No, your Honor.

8 THE COURT: Anything from Motorola, Mr. Boice?

9 MR. BOICE: No, your Honor.

10 THE COURT: All right. Have a good weekend.

11 (Counsel respond, "Thank you, your Honor.")

12 (Court recessed at 12:22 p.m.)

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